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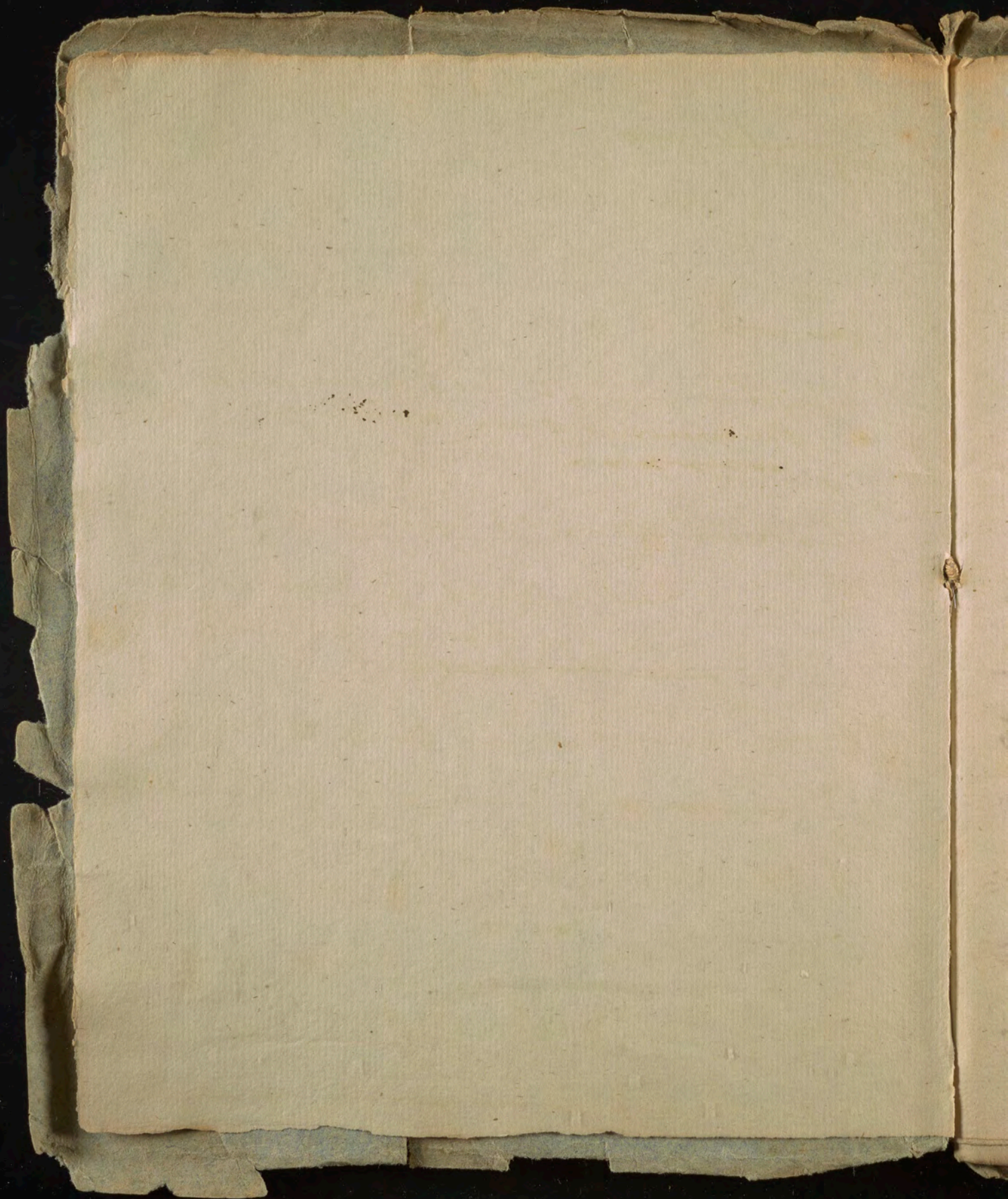
Introductory Lecture
on the
Certainty of
Medicine.

Delivered Nov^r 2^d 1795

& Nov^r 28th 1798



5



1
Gentlemen,

The uncertainty of medicine
~~has been~~ is a very common subject of
complaint. It has been propagated
by ^{the enemies of our profession,} ~~philosophers~~, and in many instances
has been admitted by Physicians. The
design of the present lecture is to in-
quire ^{how far the complaint} ~~into the truth of~~ is founded in
truth, and to show that it originates
in ~~ignorance~~ a want of a due conception
of the extent & usefulness of the science
of medicine. ~~as is~~

In speaking upon this subject
we are first led to ^{remark} ~~mention~~ that
^{number of truths}
immense ~~attainments~~ ^{which}

✓ i all the different states of
fever. I shall mention in this
place, ^{but two} ~~only those~~ of them which
when left to themselves ^{generally} ~~generally~~
^{often} prove fatal, but which in 99
cases of out an 100 yield to medi-
-cine. These are the pleurisy - the
Dysentery. ^{Cholera} ~~the intermitting fever.~~

have been ^{discovered & established} ~~made~~ in all the collateral
sciences of medicine, particularly
in Anatomy, Chemistry, Botany &
the *materia medica*. ~~This must be admit-~~

~~to~~ But as the objections to the certainty
of medicine are aimed chiefly ^{at} ~~to~~
the limited state of our knowledge
of the art of healing, ^{exclusive of surgery,} I shall con-
fine myself to a short detail of
the diseases in which medicine af-
fords certain & almost universal
relief. —

These are [✓] ~~fewer~~ of all kinds. ~~Let~~
~~it not be said here~~ I know it will
be said here that fevers are often
fatal. This ~~does not~~ must not happen
while so many circumstances ~~oppose~~

fatal
Disease ~~is~~ ^{is} in every case,
The universal one the source of
the reproach of medicine now, ^{these the words of}
useless and embraces ~~and~~ yields
~~to~~ in every case to mercury.

3

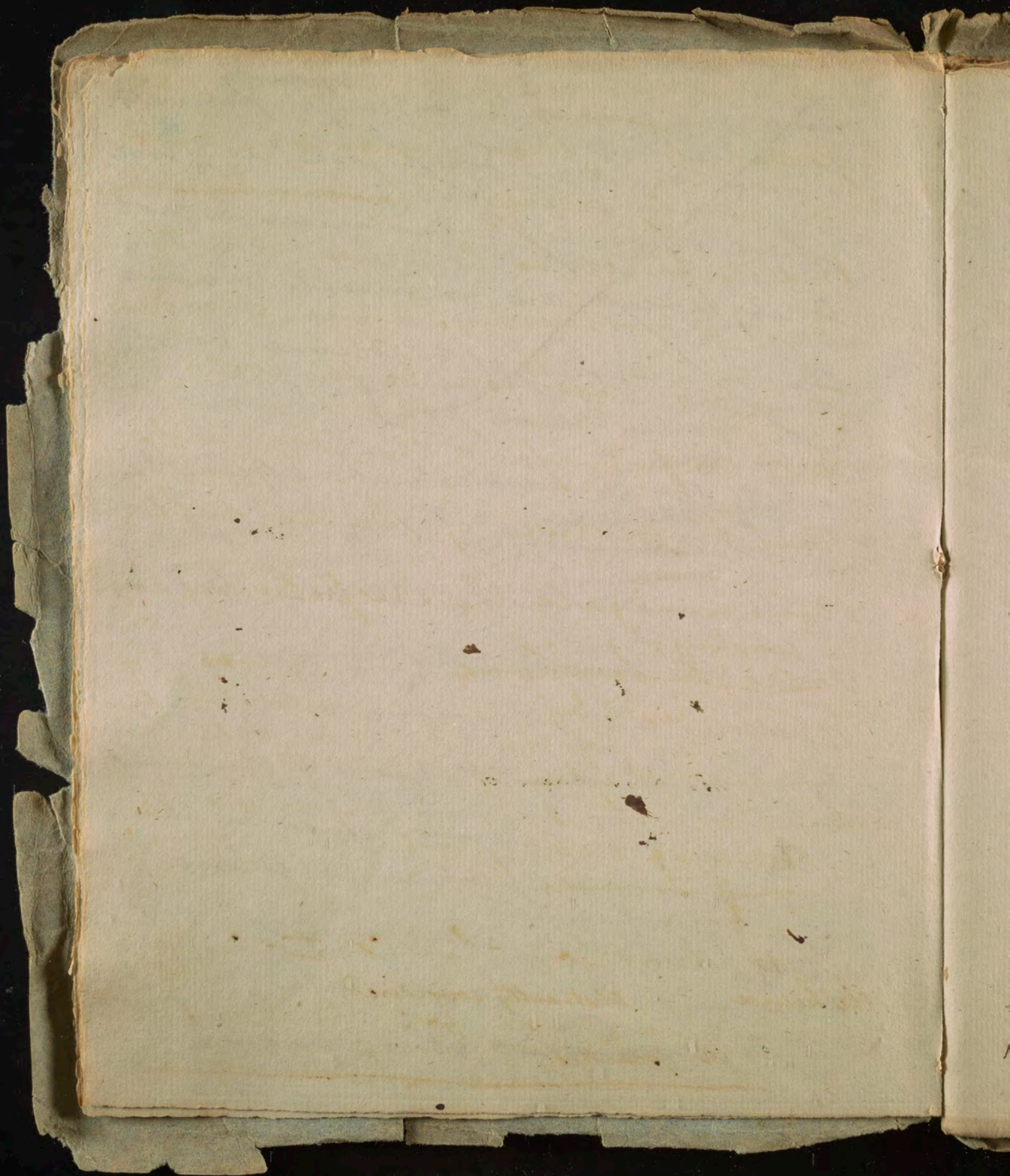
~~from the ignorance & ^{& poverty} fears of patients
oppose regular & just practice, but
where these circumstances do not
occur, fevers are as much under
the command of medicine as the
typh; or the small pox.~~

2 of the diseases which affect the
nervous ^{system} ~~diseases~~, viz adneps, the Hysteria,
the Hypochondriasis, and the locked
Jaw, and several other convulsive
affections are all more or less subject
to medicine when it is applied in this recent
State.

4 Cutaneous diseases yield in almost
every instance to the power of medicine.

3rd ^{Hæmorrhages} Dropsies in every part of the body
~~have been~~ are daily prevented, or cured.

~~The benefit of~~ It is true the



some of 4
practice in those Diseases, is not
uniformly successful. ~~Some Physicians~~

But the fault ~~is~~ here lies with Physi-
cians, & not in the Science of medicine.

It is no Objection to the Certainty
and usefulness of the Compass,

that the Natives of Kamocatla

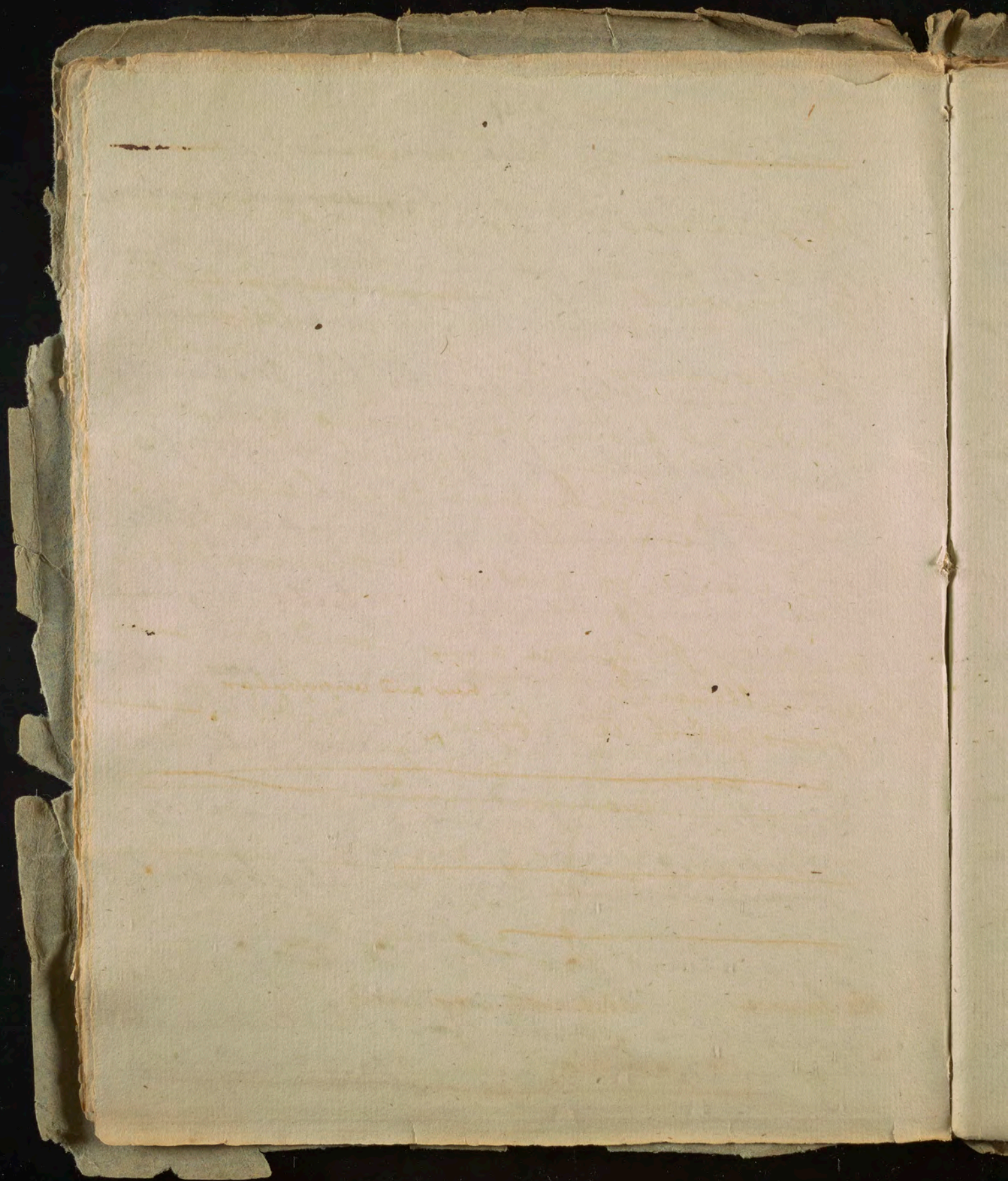
still navigate their Vessels by ~~high~~
coasting,

~~going to sea~~, nor does the
used by in writing

characters of the Chinese, call in
the Advantages of

Question, the summary mode of
conveying Ideas means of
~~fixing Ideas~~ by an Alphabet.

I contend for the Certainty of
the Science ^{abstractly considered}
Medicine, not for the certainty
of that ^{its practice} knowledge ~~which~~ of the



~~propose~~ as it ^{is} ~~caused~~ by ~~many~~
Physicians. many things concur
to prevent the ~~advantages~~ of the
discoveries which have ^{been} made in
medicine from becoming generally
useful; such particularly as
the want of reading & observations
among Physicians, and an indis-
willingness ^{new and unpopular} to adopt ~~remedies~~ which
~~are recommended by~~
~~were introduced into persons~~
~~to whose merit they are unwilling~~
~~to do homage.~~ But this does
not militate against the certainty
of medicine, any more than

✓ The certainty of medicine is
often limited by the want of
fidelity or punctuality in patients
in complying with the prescriptions
of their physicians, & imperfectly
seasoned by the inability of Physi-
cians ^{in sickly seasons} to visit their patients ^{at}
those hours in which alone their
prescriptions can be applied with
success. — The ~~possibility~~ ^{moreover} prevalence
of error in medicine ~~in a city or~~
~~country~~ ^{sometimes} ~~often~~ ^{prevents} affects the influence
~~of just & successful~~
~~practice~~ ^{Physicians} in a city or coun-
try, for as ~~men~~ of luminous
minds often diffuse rays of

a man's shutting his eyes at noon day militates against the arguments in favor of the ex-
-istence of light. — But ^{again} ~~for this~~,

It is said ~~that medicine~~ ^{our profession} by the
enemies of ~~medicine~~ ^{is therefore more useful} that surgery
is ^{more} ~~a certain~~ ^{in the relief it affords}

than medicine. This opinion is
general, but a little reflection
will show that it is not just.

~~The objects of surgery compared
with those of medicine are
in the ratio of one to twenty,
of course that~~ How different is

knowledge into sick rooms which
they are not permitted to enter,
so Physicians of ^{a contrary character,} ~~Dark minds~~ often
spread their errors by means of their
patients ~~or pupils~~, into rooms,
where they defeat the best concerted
plans of cure, & thus lessen the
^{Success & credit} ~~appearance~~ ^{certainty} of medicine.

~~[The mortality ^{of diseases} produced by all
these causes does not detract from
the certainty of medicine, for it be-
-ongs to the perfection of our science
to predict death ^{with certainty} from the neglect of
~~proper~~ remedies applied in ^{a proper} ~~their~~
time, ~~or manner~~, as much as it
- does to cure diseases.]~~
Consultations are a further source

the issue of amputation or cutting
 for the stone, to inoculation for
 the small pox? & How far are
 subject to the diseases which un-
 der the former operations necessary
 to save life? whereas the small
 pox affects the whole human
 Race; & according to some writers
 destroys a 6th part of all who are
 seized with it in the natural
 way. But Surgery is not an
 independent Art. It borrows
 much of its certainty & useful-
 ness from medicine, ~~for~~

of the uncertainty of ~~medicine~~ ^{our profession.} The
boldness in practice which is inspired
by the Union of reason ^{in a man of genius,} and experience,
is often ~~defeated~~ ^{frustrated} by the mechanical
formalities of an old, ~~and~~ or by the
timidity ~~for teaching~~ of a young Physician,
by which means medicine is often rob-
-bed of its merited & well earned honors.

But there ^{are} frequently two, or more methods
of curing the same disease. Now in
consultations between Physicians who
have been in the habit of curing the
same disease by different remedies, no
fixed plan of cure is adopted, & the patient
dies, under a half way practice between
two methods, either of which might
have cured him, had it been pursued

of Blending, Diet
particularly from ~~Bark~~, wine
and Opium.

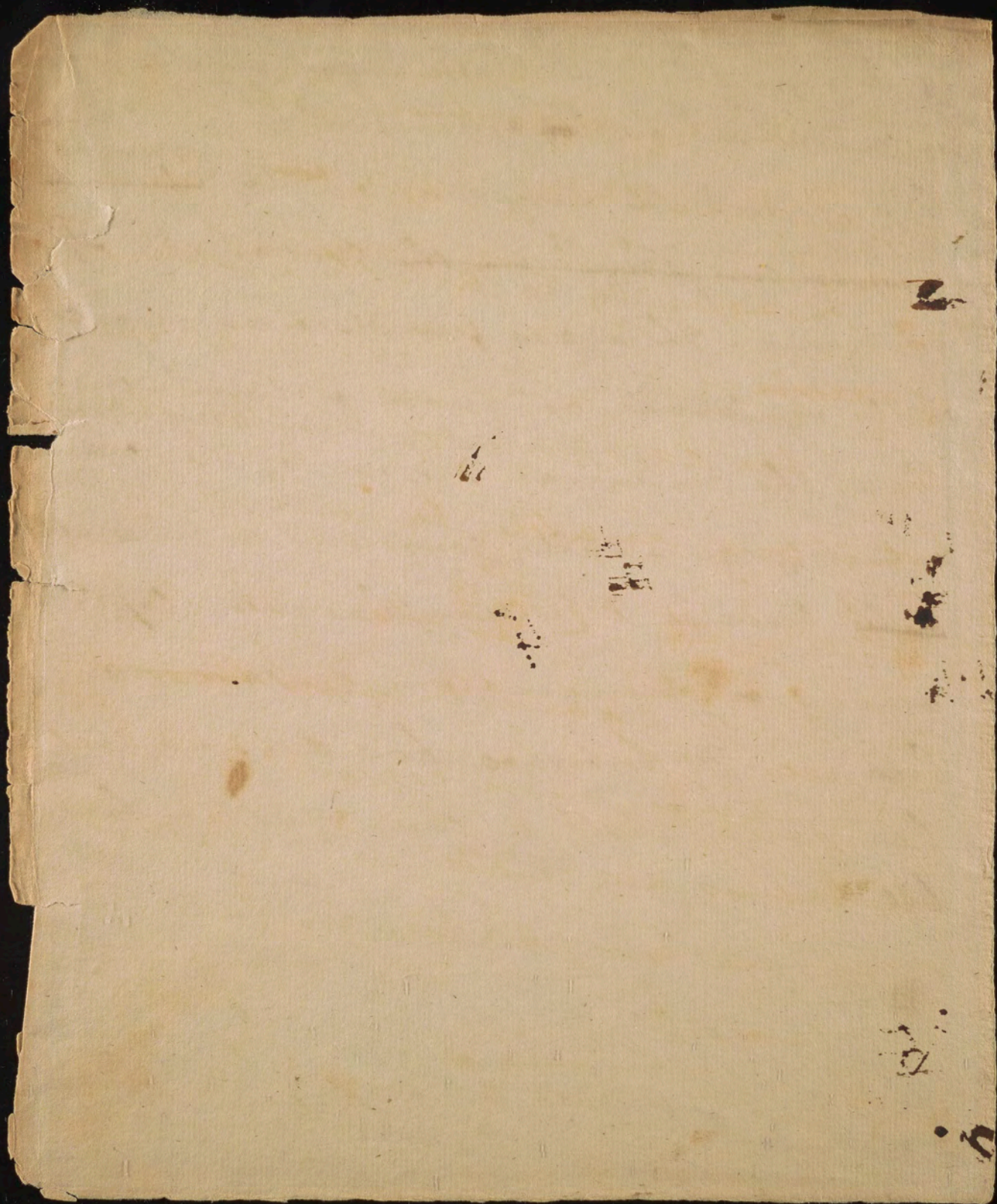
I have said that the uncertainty
of medicine has sometimes been
admitted by Physicians. It may
be useful in this place to inquire
into the causes of this seeming
Candor in the members of our
profession. It appears to originate
1 in Indolence, or a disposition too
torpid to inquire into the extent
and certainty of the principles
of medicine. ~~The body in this~~
~~can evince upon the~~

to its full extent. The mortality of diseases, produced by all these causes, does not detract from the certainty of medicine, for it belongs to the perfection of our science, to predict death with certainty from the neglect, or misapplication of remedies, as much it does to cure diseases.

It has been said that there is no certainty in the operation of medicines. This Assertion is founded upon a superficial view of the power of ~~the~~ medicines, & an ignorance of the laws of the Animal Economy.

- I grant that ~~the vomit~~ Ipecacuanha will not always excite a vomiting, nor Iulap^{unipolmly} discharge the contents of the

2. A superstitious ^{p: 9} respect for preceptors
in medicine, and ~~of~~ ^{for} eminent Physicians
has contributed very much to ~~prevent~~
the attainment of ⁱⁿ the certainty of
~~proper confidence in~~ the certainty of
medicine. There are few diseases more
easily explained, or more certainly cured,
than the internal Dropsy of the brain ^{in its early stage,}
but it is generally considered as incurable
^{only} ~~only~~ because Dr Cullen has not claped it
among inflammatory diseases, and
because Dr Monroe has declared that
he never cured a case of it in his
life. —



9
mind, & abstracts from it all
its ~~natural activity~~. for

3
2 ~~2~~ Incapacity is another source
of scepticism in medicine. men
deny the existence of truths which
they are unable to comprehend.

2 ~~2~~ Envy in the ^{2nd} ~~1st~~ place shuts the
mind up against ^{believing in the} ~~receiving the~~ truths
certainty
of medicine, more especially when
discoveries are made in it by persons
who are competitors for business
or fame.

2 ~~2~~ Vanity has a large share of
influence in disposing physicians

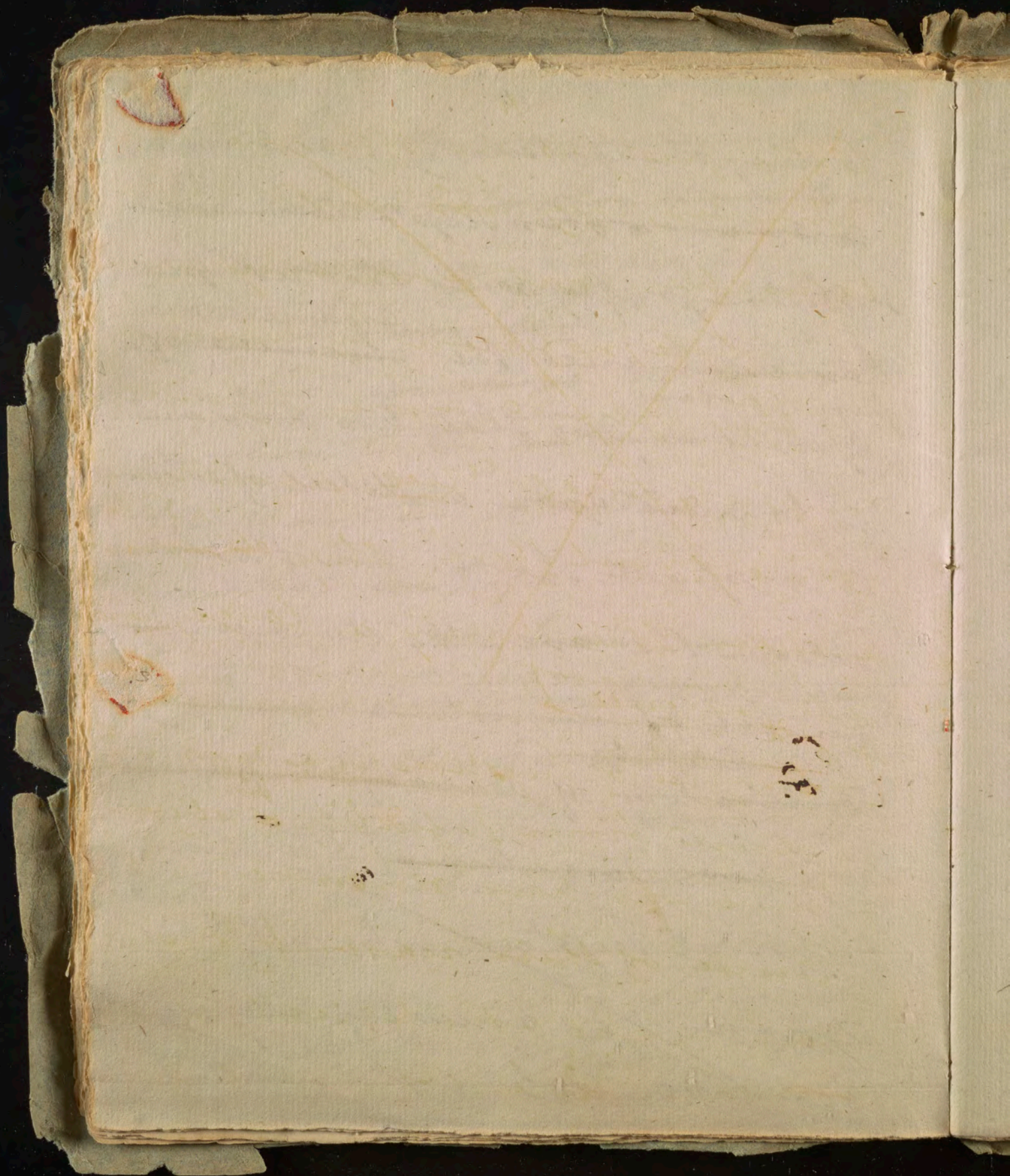
bowels, but this does not invalidate
~~the~~ ~~certainty~~ of their characters
of medicines, ~~for~~ ^{but if} we are able to
account for the failure of their
~~tell us all cases the~~ ^{refute}
Operation, ~~is all so~~ we ~~destroy~~ the
objection to the ~~uncertainty~~ ^{now} of
their character as medicines. We
know that ~~even~~ Inflammation, ^{and} ~~or~~
congestion in the brain impart
a torpor to the Stomach & alimentary
canal, and this knowledge consti-
tutes a part of the certainty of
medicine for which I am contending.
Thus a knowledge of the variations of
the ~~comp~~ magnetic needle in certain lati-
tudes constitutes a part of the perfection
of the science of navigation. — go back to p. 6.

to deny the Certainty of medicine.

~~as a man~~ This Scepticism in
 medicine presupposes that a Physician
 has examined the ^{arguments in} ~~evidence of~~
^{favor of certain} Opinions, and that his decision
 is founded upon a defect of evidence
 to support them. Now this being

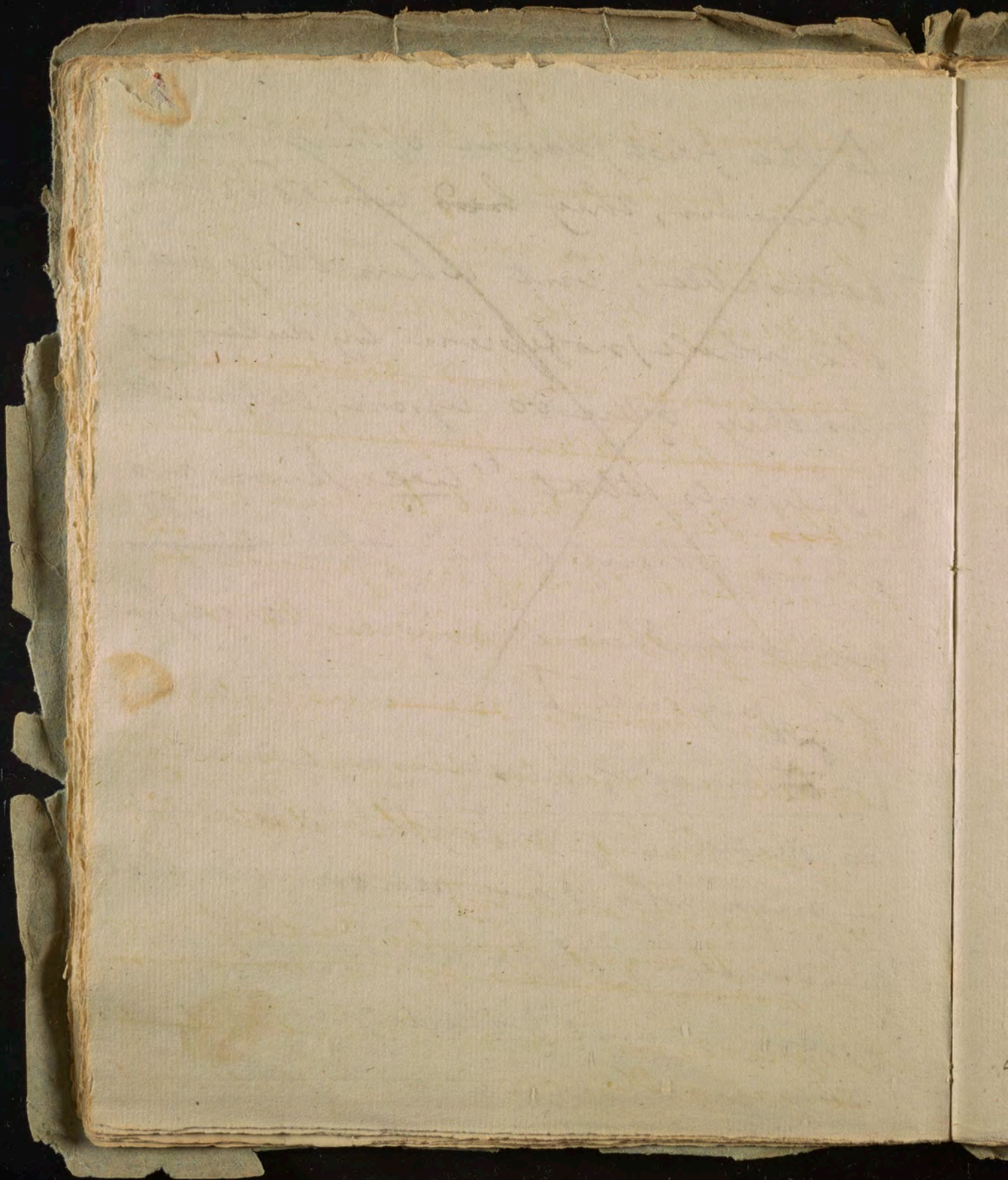
seldom the case, the decision ~~is~~
 should by no means operate against the Certainty of medicine. ^{go to p. 12.}
~~an act of imposture equally~~
~~characteristic~~
~~declaratory of vanity & impudence.~~

~~I have sometimes~~ Did these
 medical Sceptics when they
 speak of the Uncertainty of
 medicine, confine themselves



to the first person of the singular
number, they ~~had~~ would be more
excusable, but when they include
the whole profession by declaring
as they often do upon difficult
subjects that "we know no-
thing about them" they ^{add to} ~~discover~~
a degree their vanity a large share
of impudence.

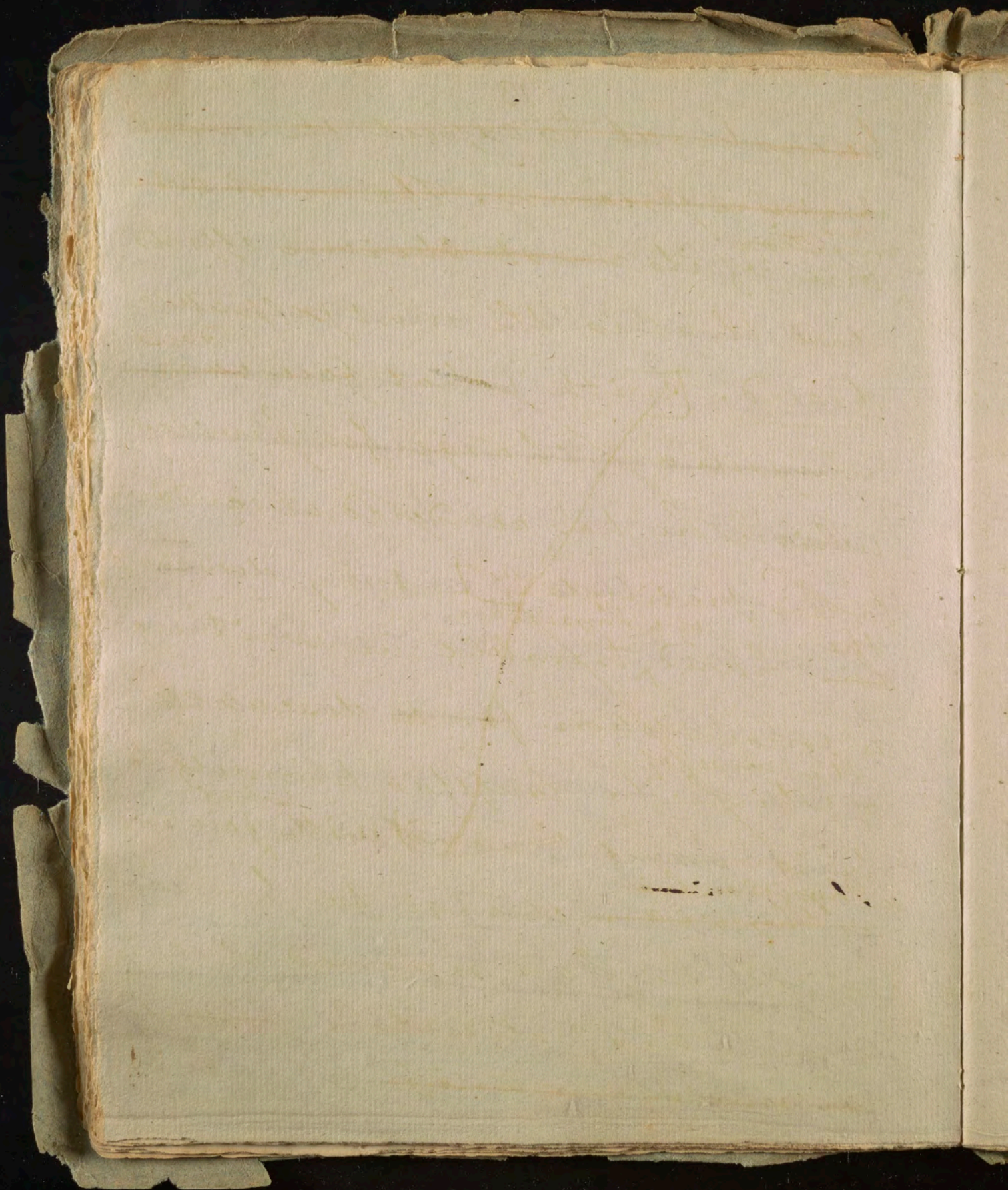
The ^{8th} source of scepticism is medicine
is derived from infidelity ⁱⁿ religion.
— men who have renounced the
evidence of their reason & senses
upon moral & theological subjects,
are cannot be consistent upon



without denying this evidence
upon medical subjects. This
Scepticism in medicine is extremely
flattering to the Sceptics in Religion,
~~and hence we find deistical physi-~~
~~cians are often preferred by them.~~

~~They~~ It is natural for such persons
to conclude that if, in a science ^{all} ~~to~~
whose facts are obvious to our
senses, there is ~~scarcely~~ no certainty;
equal or greater uncertainty
must hang over the doctrines
of Christianity.

Having pointed out the sources
~~from whence so much of~~
Scepticism in medicine, ~~it will~~
among Physicians, I shall only



~~be natural to expect the most~~
~~improvement streams. The most obvious~~
~~mention~~
~~one of its most obvious effects,~~
~~and that is the most palpable~~
~~fraud. [With what face can~~
~~a Physician charge for services~~
~~which he has rendered at random~~
~~to his patients?]~~ ~~Why does not~~
~~the~~ ^{of a Physician} ~~hand, tremble in writing~~
~~a prescription for a disease~~
~~the cause of~~
~~of which he confesses himself to~~
~~be ignorant?]~~ ~~and with what~~
~~a Physician's~~ ~~face does~~
~~a Physician charge for services~~
~~which he has rendered at ran-~~
~~-dom to his patients? Should~~
~~we employ an artist should an~~

V
~~John~~ ~~head of~~ A Clergyman in
One of the West India Islands ~~who~~
was ^{once} sent for, from a Card table to
visit one of his parishioners who
was dying, & who it was told him
was in great distress about his
future state. The Clergyman visited
him, and upon returning to his
seat at the Card table, was ~~asked~~
by one of the company how he had
left ~~his~~ the dying man. He said
"quite happy" for he ^{had} removed all
his fears in a moment by letting
him into the secret." — "What secret"
said the gentleman — "Why — that there
is no future state answered the Clergyman,

Artificer after ¹⁴ failing in ~~building~~ erecting
a piece of machinery
~~a house, tell his employer,~~

~~that he knows demands pay~~

tell his employer that he was
ignorant of the business he had
undertaken, ~~would he~~ be what
should we think of him? would
we justify an extravagant charge
for his labor, or would we not
rather approve of that sentence
of a Court, which should ~~compel~~
punish him as an impostor
by compelling him to make
restitution for the money he
had ignorantly expended? V

~~Let the scepter in medicine act~~

and that religion was all nothing but
a fable. equally criminal is that
Physician who ^{exercises the profession} ~~denies the certainty~~
~~of medicines~~ of medicine, and denies
its certainty in most of ~~the~~ the dis-
-cases which come under his notice.

I have ^{heard of} ~~known~~ a Physician ^{to of} ~~whom~~
extensive business & reputation to ~~all~~ whom
~~all that has been said upon~~ ^{all} the causes
of Scepticism in medicine, that have
~~th of that~~

been enumerated, applied in the
most extensive manner. ~~This~~
~~reputation~~ This man's education
was originally very slender, and
his reading extremely limited. ~~His~~
~~visits to his patients were short, &~~
~~by~~ generally all subjects were

~~honestly. If he cannot attain~~
~~to principles in it, let him resign~~
~~the profession. He is at~~
~~the speculative sceptic in medicine~~
~~may be not an honest man,~~
~~sceptical~~
~~but a physician who exercises~~
~~the profession for his subsistence~~
~~is as much an impostor as a~~
~~person who exercises the functions~~
~~of a Priest without believing~~
~~in the principles of Christianity].~~

We have already attained to
 certainty in at least 9 diseases out
 of ~~ten~~ ten. But this remnant
^{premature}
 of ~~power~~ the dominion of death

more agreeable to him than
medicine. He hurried from sick
rooms to public dinners, and
teaparties, where he usually
spent four or five hours of every
day, ~~and yet with these this charac-~~
~~-ter, he decided upon all subjects of~~
~~controversy he maintained for me~~
~~the~~ In all companies he spoke
with contempt of the profession of
medicine - and laughed at every
attempt to apply the reason to
it. And yet with this character,
he ^{for many years} maintained ^{the} governed
medical
opinions & practice of the city in
which he lived: a Brother Importor

over the human body, shall not al-
ways continue. Absolute certainty
I believe
is attainable in medicine. Yes - there
does not exist a disease for which
there does not exist a remedy. -
This must be true, or God would
not be ~~kind~~ ^{powerful or good.} wise, ~~kind or just.~~

Hear this ye friends & Benefactors
of mankind, who have sighed in
secret over the ~~pain~~ misery which
diseases ~~have~~ produce in our world.
- May this misery shall have an end.

~~Death shall be~~ The empire of death
by means of disease shall shall
one day be limited, & old age shall

in medicine pronounced his Elogium
when he died, by declaring "that
he was the greatest physician
that ever lived, for that he knew
& acknowledged the uncertainty of his
profession". —

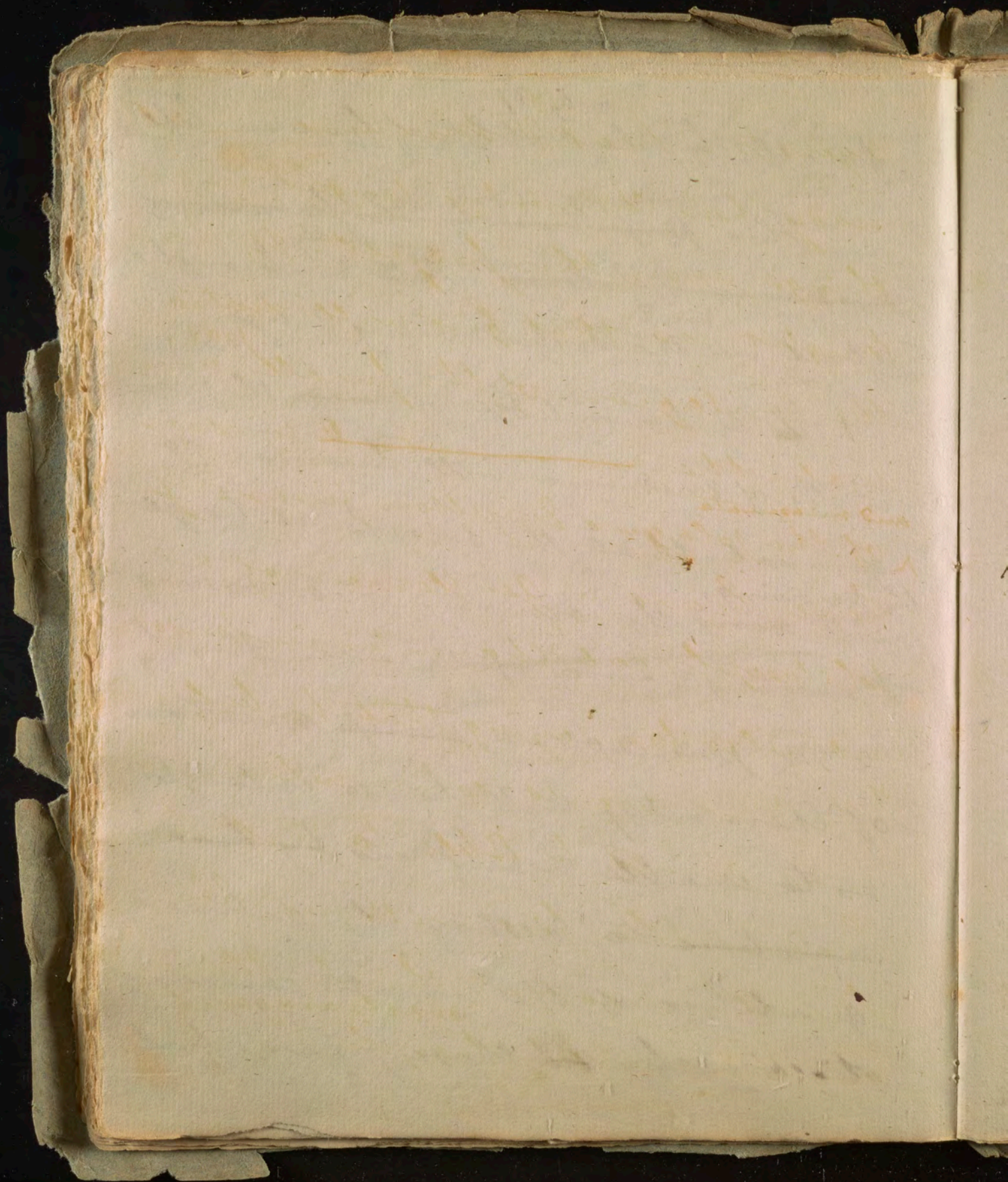
✓ will moreover be able by
means of this knowledge to be
~~able to distinguish~~ ~~to prefer~~ ~~real physicians~~
rational & philosophical physicians,
& to prefer them to
~~to~~ Quacks and impostors.

finally be the ^{only} outlet of human Life.

This ^{certainly} ~~perfection in the science of~~
~~medicine~~ I believe ^{probably} will be brought
about in the ~~the~~ following ways. —

1 The knowledge of ~~med~~ the prin-
ciples of medicine will become so
general that the people at large
by knowing,
will avoid the remote, predisposing
& exciting causes of diseases. They ✓

2 The principles & ~~power~~ operations
of Chemistry will be so enlarged,
as to enable mankind by heat &
mixture to destroy the active
qualities of the remote causes of
diseases by ~~the~~ those powerful



Agents - heat & mixture. - al-
 ready has Chemistry taught us many
 things upon this subject. It has
 taught us that fire will destroy
 the Contagion of the small ^{pox}, and
 water the ~~miasmata~~ & contagious
^{and miasmata} of the plague & yellow fever. I
 have heard a gentleman of a
 philosophical character in London
 ridiculed for saying that he believed
 "the time would come when a
 man should be able to put his
 head in the fire without being
 burnt". I do not think there is
 any thing ^{or extravagant} unphilosophical in
 it.

✓ Knowledge it has been justly
said is power, and philosophy
is the empyre of Art over Na-
ture. ^{of a York} [Drumheller] in a late
~~publication~~ has suggested many
ingenious hints upon the subjects
of the gaps which may lead us
to the certain means of destroying
them, & thereby of exterminating
malignant ~~contagious~~ ~~poison~~ ~~from~~

the opinion. ~~The~~ ~~Did~~ we not see
 men breath & ~~see~~ act as usual
 under water by means of the diving
 bell? To breath & to ~~act~~ live under
 water by means of a diving bell,
 and to fly through the regions of
 the air in a balloon, a century
 ago would have been thought
 equally improbable events a cen-
 -tury ago. ^{Such of} I have long belie-
 -ved that the ^{of the old & new testam-} ~~1st~~ prophecies ^{=ments} as relate
 to the ^{future changes in} ~~1st~~ natural state of man,
 and of our earth, will be brought
~~of~~ about by natural means.
 There is to me therefore nothing

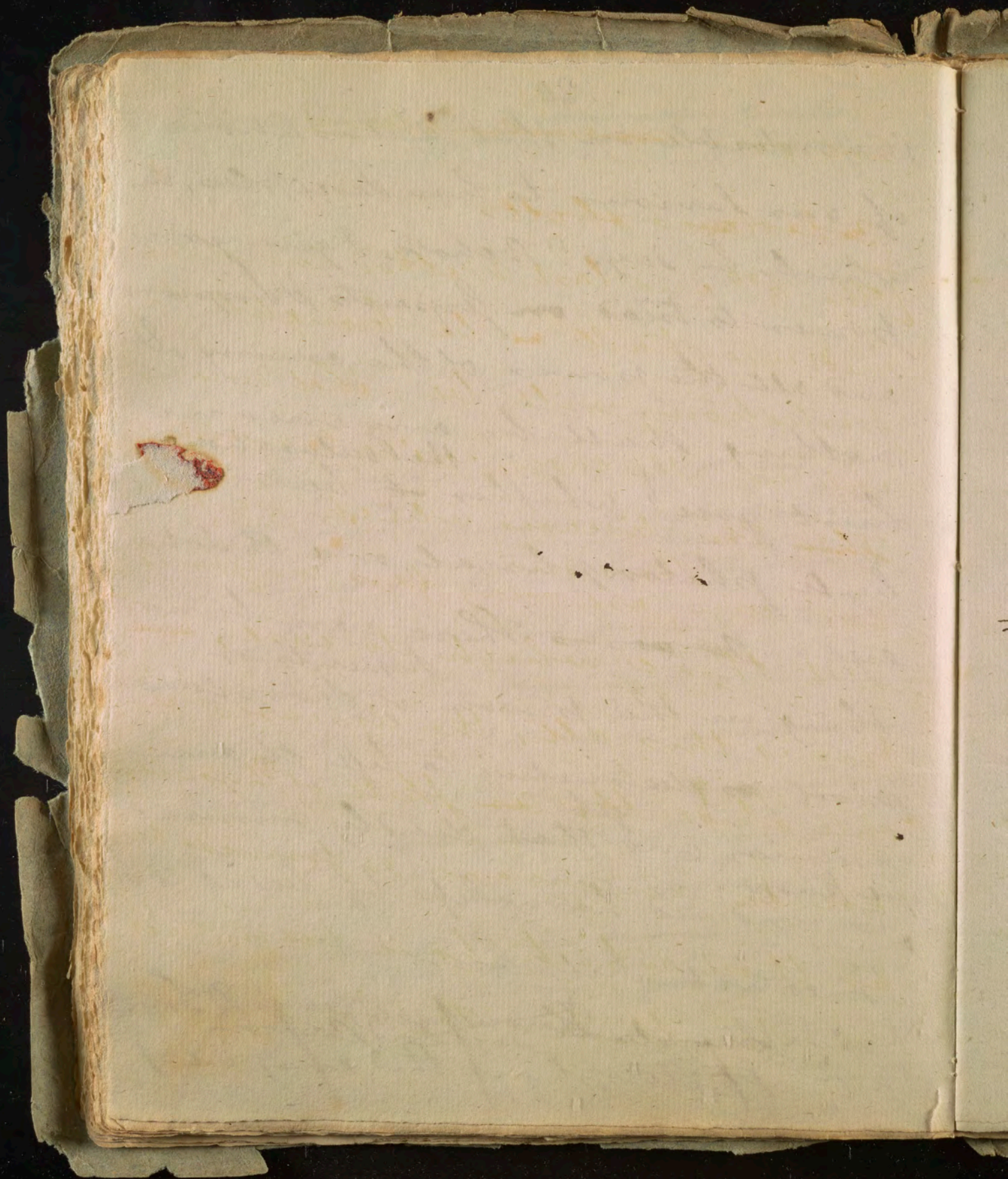
the catalogue of human evils.

+ Locke X. 19.

^{by}
V₃ a Belief in the Unity of disease, and of
debility being the predisposing cause of all its
different forms will lead both ^{patients &} physicians
to attack them in their forming state, at
which ~~the~~ time they ^{generally} ~~often~~ yield to the most
simple medicines. But where diseases come
on as some do, without the premonitory symp-
toms of debility, ~~the case is~~ if we may judge from
there is reason to ~~be~~ believe they may be cured
if we are permitted to judge of ~~what~~ from what
is proper ^{that which} of ~~what~~ is to come. go to p 22

improbable in that declaration
of our Saviour to his disciples, in
which he says "Behold, I give you
power to tread ~~on~~ serpents, & scorpions
and all the power of the enemy, &
nothing shall by any means
hurt you" ^{the declaration} whether ~~it~~ ^{it} be viewed
by a philosophical, or a Christian
eye. ~~It seems~~ There can be no:
-thing in the poison of ^{serpents or} scorpions,
more ~~so~~ destructive to life than
arsenic, and ^{yet} that deadly mineral
~~we know~~ is rendered harmless by being com-
-bined with sulphur.

✓ ~~Suppose to know edge says D. H. H.~~
~~bin is~~ ~~philosophy is the essence of~~

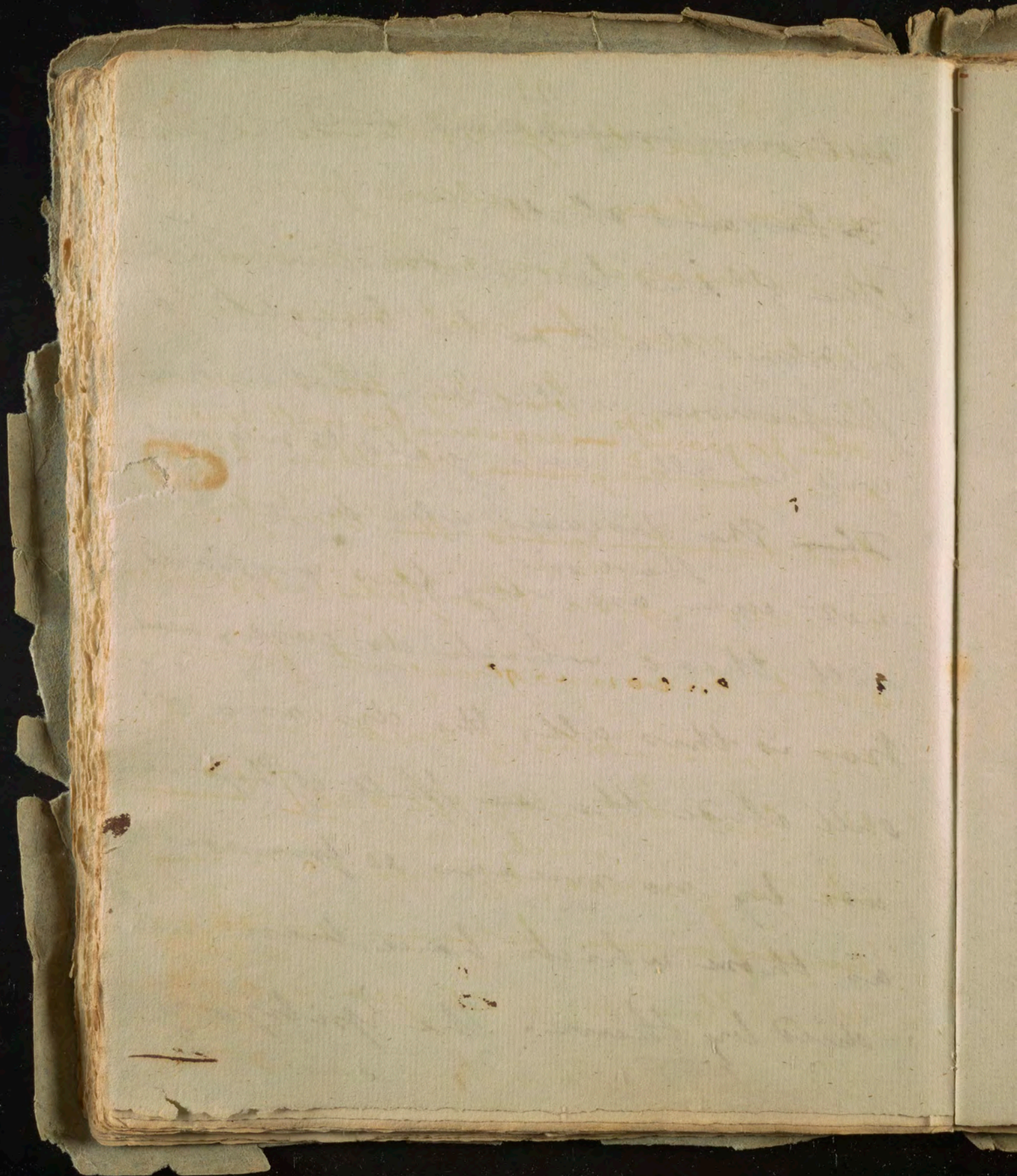


~~As to over complicated nature.~~

~~3 Diseases that~~

The 3rd and last method in which medicine shall ~~be~~ brought to perfection will be, that diseases will in all cases yield to medicine.

Then the diseases which we ~~can~~
^{I have said}
 - not cure, are very few compared with those which do cure, ~~and~~
 Nor is this all, the diseases w.
 still elude the ~~as~~ skill of Physicians
 are by no means so formidable,
 as those which have been sub-
 -dued by them. The Epilepsy



offers much less violence to the
 system than a yellow fever, and
 this disease we now know is
 daily cured by not only by
 Physicians, but by the nurses,
 other persons ^{up} unacquainted with medicine,
 and ~~free negroes~~. Within the
~~last twenty years~~ the our faith
 & hopes upon this subject, receive
 great encouragement from
 the triumphs of medicine within
 the last twenty years. ~~farmers~~
 The ~~Seniors~~ are, ^{much} less mortal ~~say~~
~~the difference between 20 & 30~~ now
 than they were ³⁰ years ago.

The Locked Jaw has ceased to

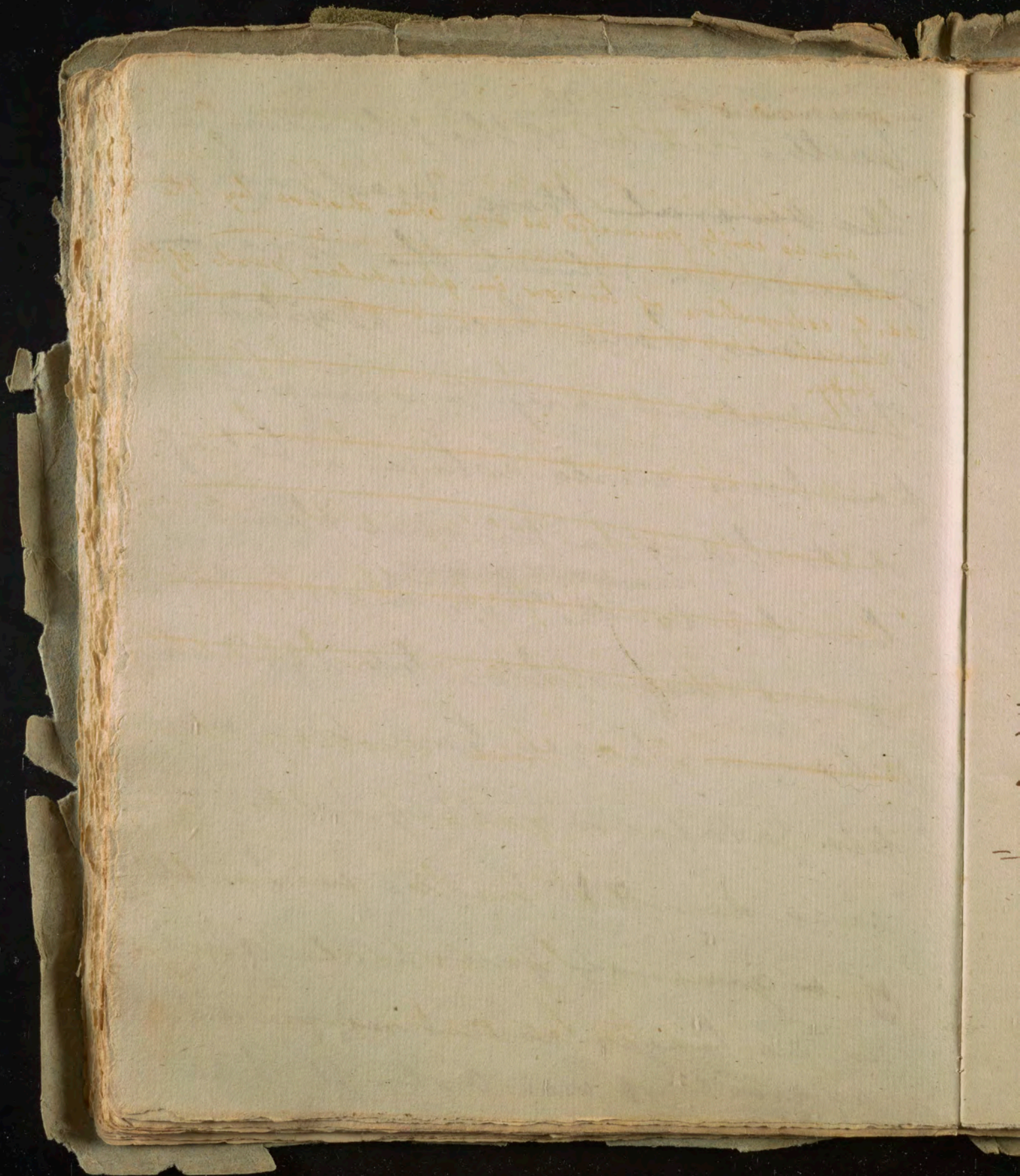
[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

in some measure to

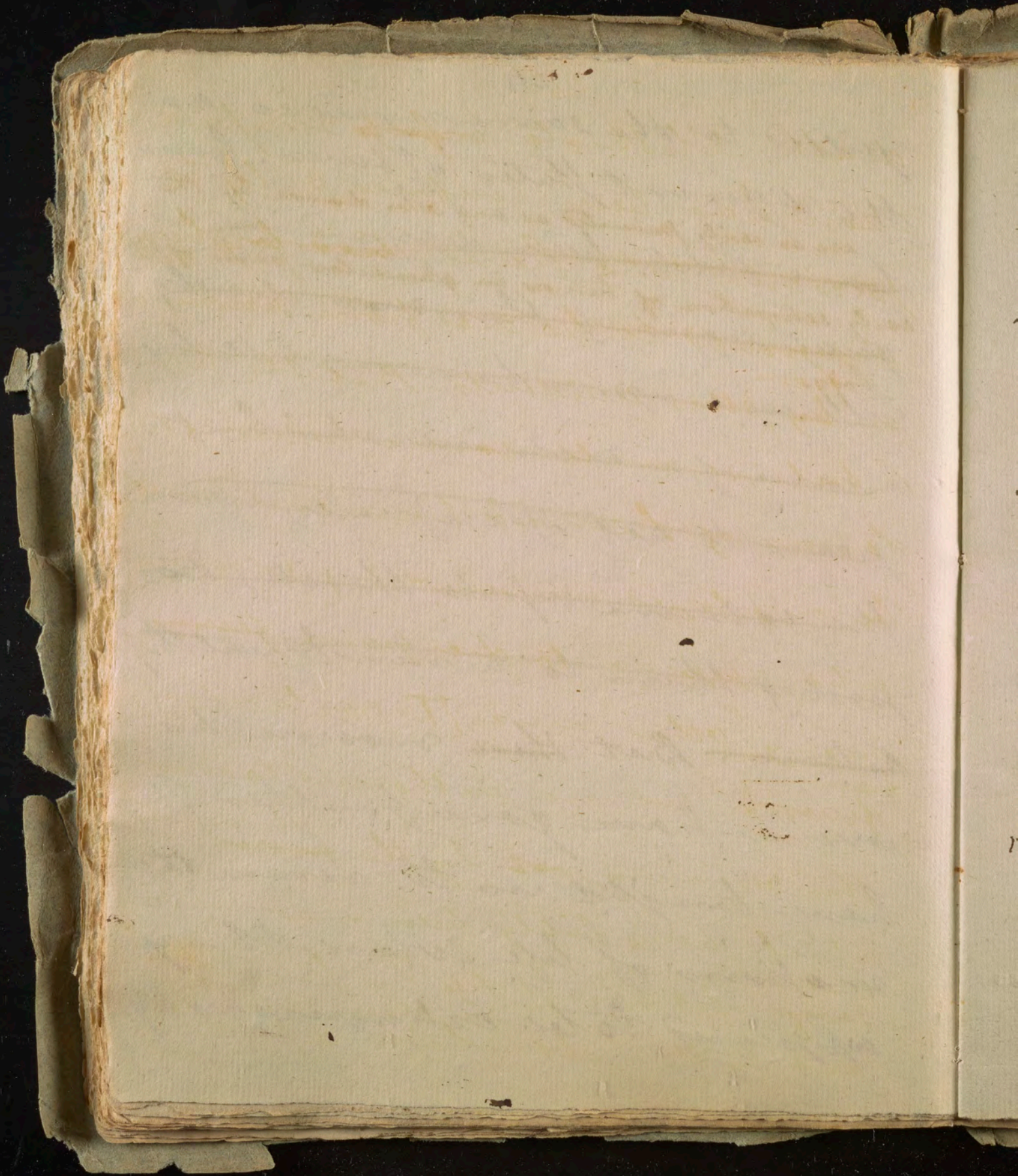
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in some measure to 23
be the terror of the planters in
the several those West India
Islands in which the tonic
remedies have been adapted.

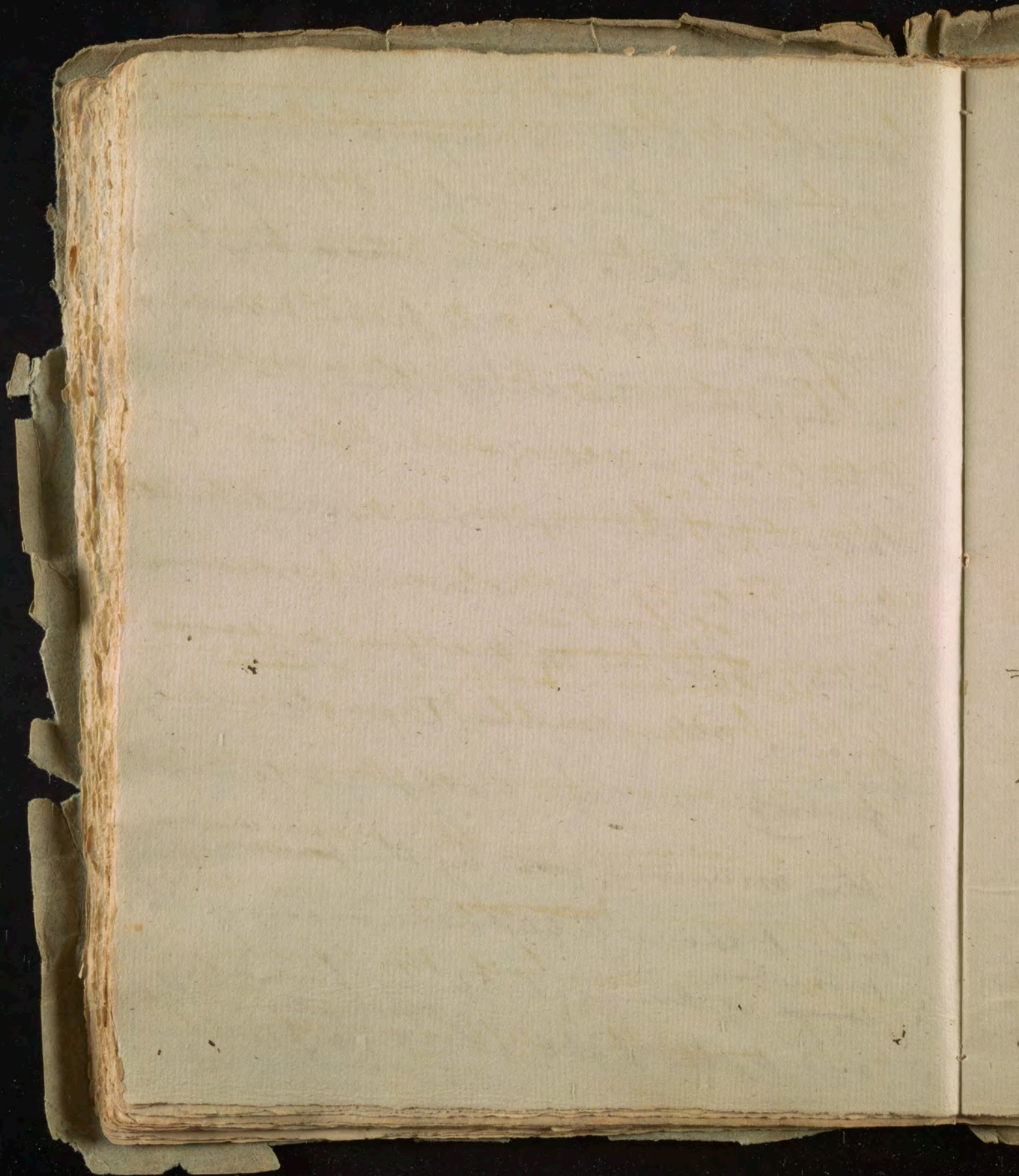
The pulmonary consumption has been cured where a belief of its being a chronic pleurisy ~~was by the use of~~ has led to the ^{early use of} cuppiens, or frequent use of blood letting. Dropsies & hemorrhages have been much less fatal since they have been considered & treated as symptoms of a general fever. The gout is no longer considered as the approach of our art. It has



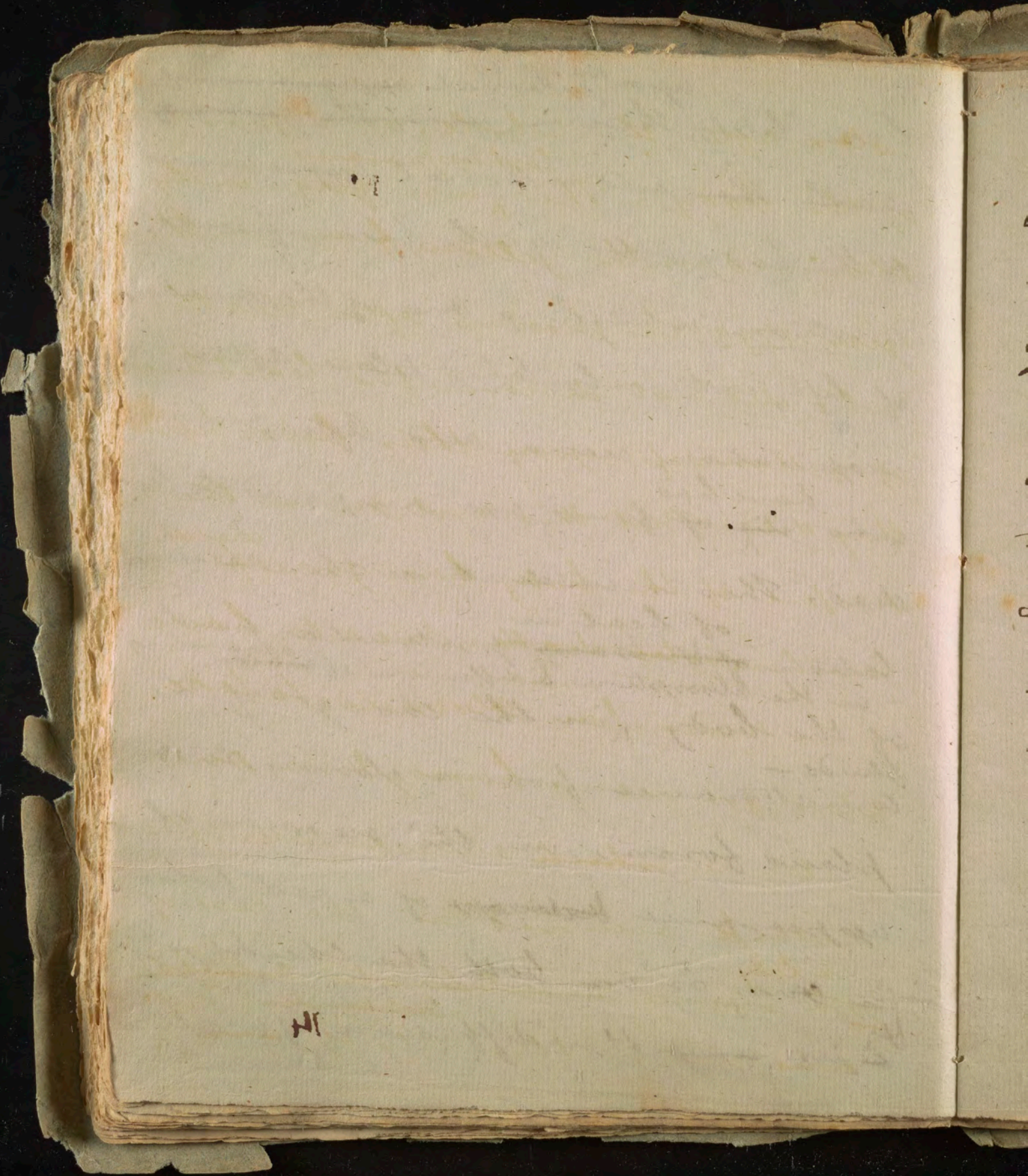
yielded to the same remedies as
 the different states of fever. Cancers
^{are as easily prevented as any other disease, by the}
~~have lately been deprived in a~~
 early extirpation of tumors, in glandular parts of the
~~great degree of their now deadly~~
^{body.}
~~influence upon human life by~~
~~means of a medicine which ap-~~
~~pears to act specifically upon~~
~~the extreme vessels thereby dis-~~
~~posing them to a new & healthy~~
~~action.~~ But these modern dis-
 -coveries have gone further. They
 have taught us to revive the
 motions of life where they
 appeared to be extinguished by



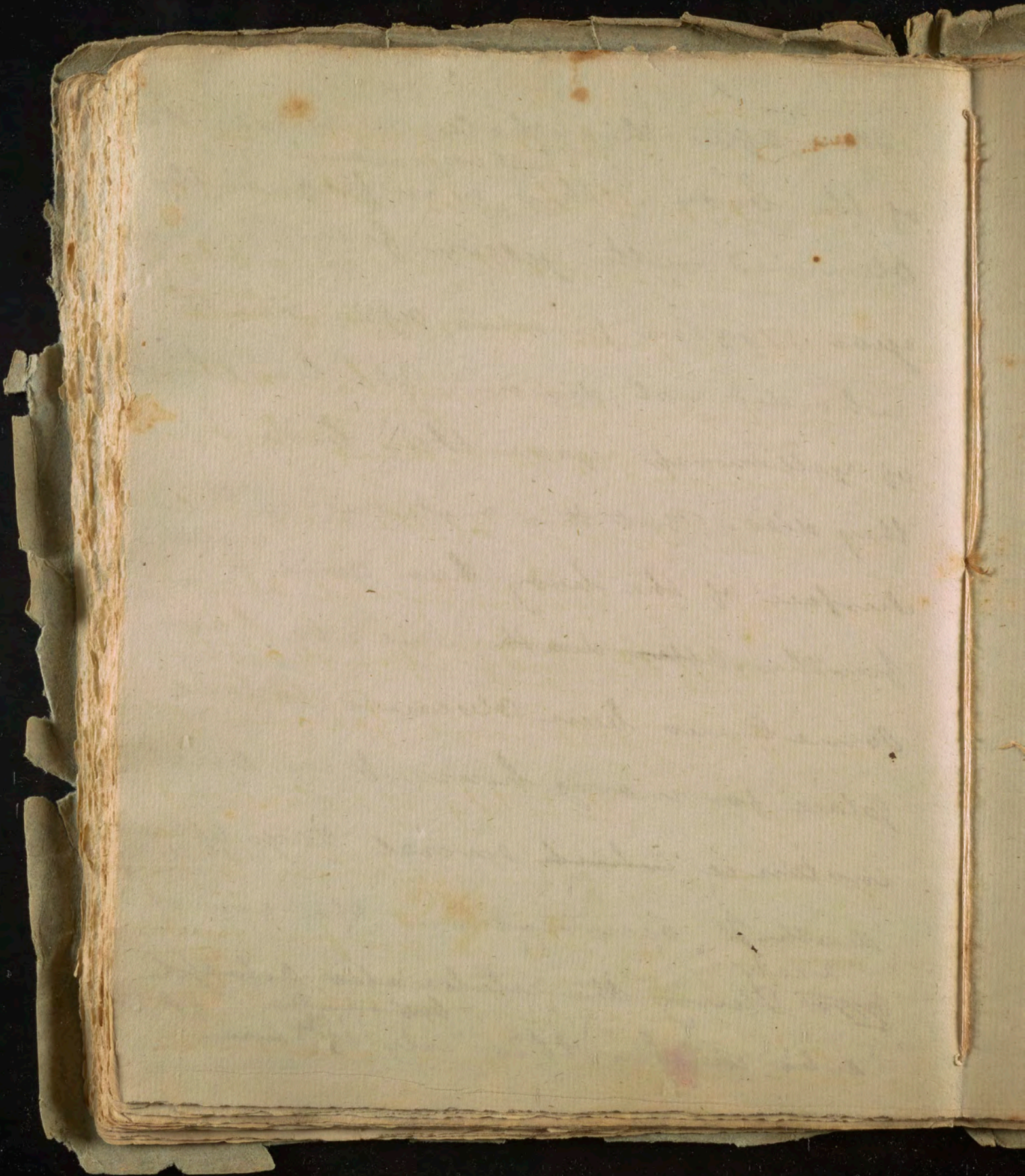
death. Hitherto ~~and~~ resuscitation has been confined only to persons who have ~~been~~ been supposed to be dead from drowning or ^{from} by other accidents. But the time I believe will come, when the labors of Science & humanity will be employed in recovering persons who appear to die from fevers many other causes. [It particularly
^{from} ~~fevers~~ we are authorized to adopt
 this opinion ~~not~~ by the ^{discovered} ~~process~~ [^]
 which have lately been made of the
 production
 cause of animal life by stimuli,
 and by the light which ^{observations &} ~~dispositions~~



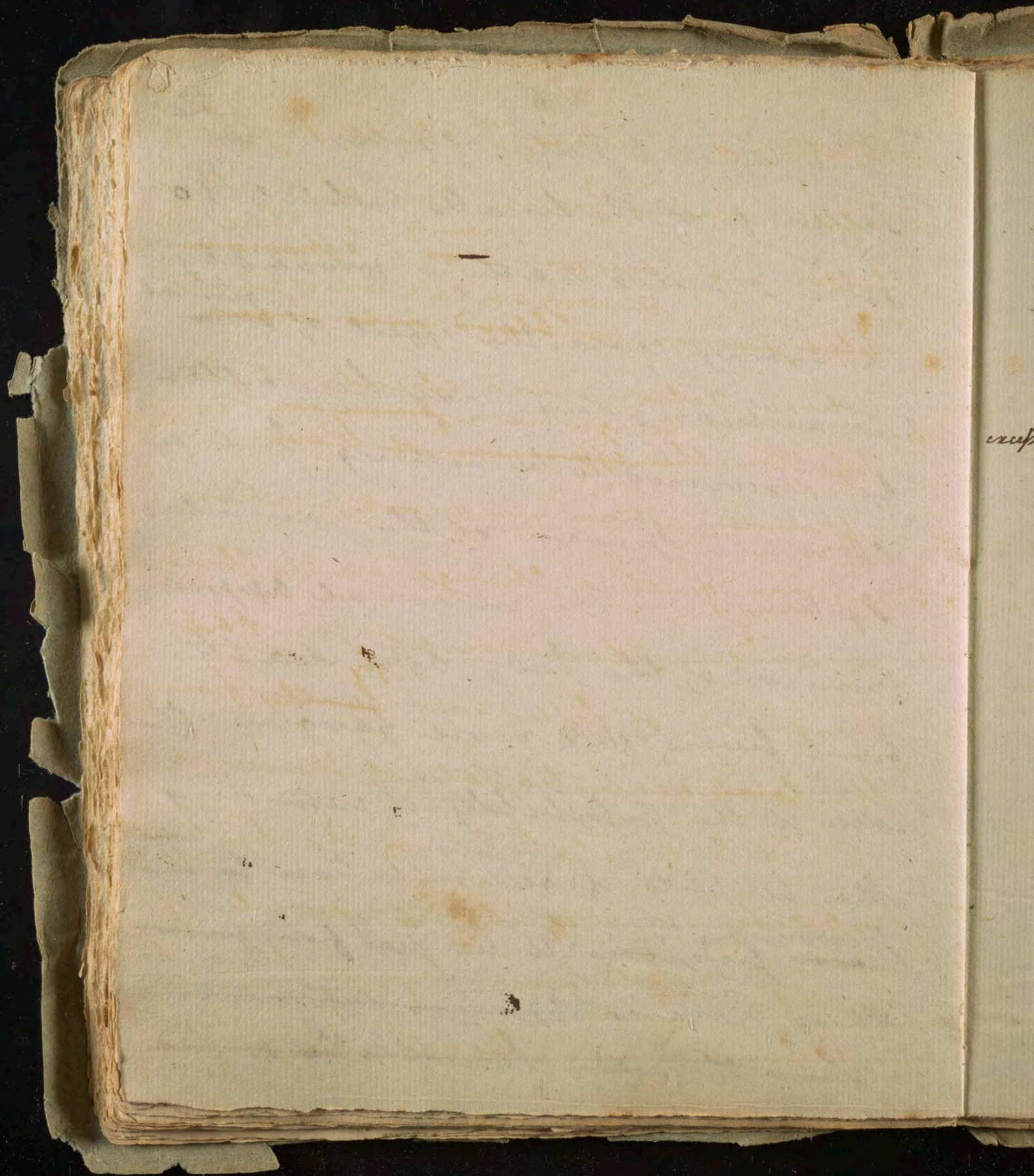
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have lately thrown ^{upon the} ~~upon the~~ external appearance of
~~death the~~ and internal appearance
of the body after death from fevers.
motion which is one of the operations
of life, certainly takes place after
respiration ceases, and after persons
who ^{have had} ~~die of~~ fevers, are supposed to be
dead. This is evident in the accumu-
lation ^{of heat in} ~~of heat in~~ particular parts
in the absorption, & diffusion of ^{signifying} ~~water~~
of the body & in the change of the
fluids -
countenance from a gloomy, to a
pale form, in the occasional
appearance ~~discovery~~ of a red color
in one, or in both the cheeks, -
& in ~~any~~ the diffusion of a yellow



color after the whole, or a part
of the body. This ^{last appearance} was frequently
observed in the yellow fever in the
year 1793 in persons after death
who did not discover the least tinge
of yellowness upon their bodies before
they died. But this motion in the
surface of the body has gone ^{on} ~~off~~
further. ~~After death~~. Sweats have
sometimes been observed to take
place for many hours, & in one
instance, which several days after
death. It occurred in the case of
^{a lady} ~~Miss Henry the celebrated actress~~
~~who~~ died in this city of ^{last winter} ~~in 1794~~ the



maniacal state of fever. ^{The} ~~the~~
 Stiffness of the limbs which so
 soon succeeds death, is probably
 in many cases, the effect of ^{general} ~~convulsions~~
 convulsion, and may hereafter
 be discovered to be nothing but a
 chronic spasm of the muscular
 system. — The internal appa-
 rances of the body after death
 from fevers, still more favours the
 idea of the possibility of extending
 the benefits of resuscitation to ^{the} ~~these~~
 persons ^{cases} supposed to be dead from ~~fevers~~.
 those diseases. ~~Many dissections~~
~~show the organs visera to be sound~~



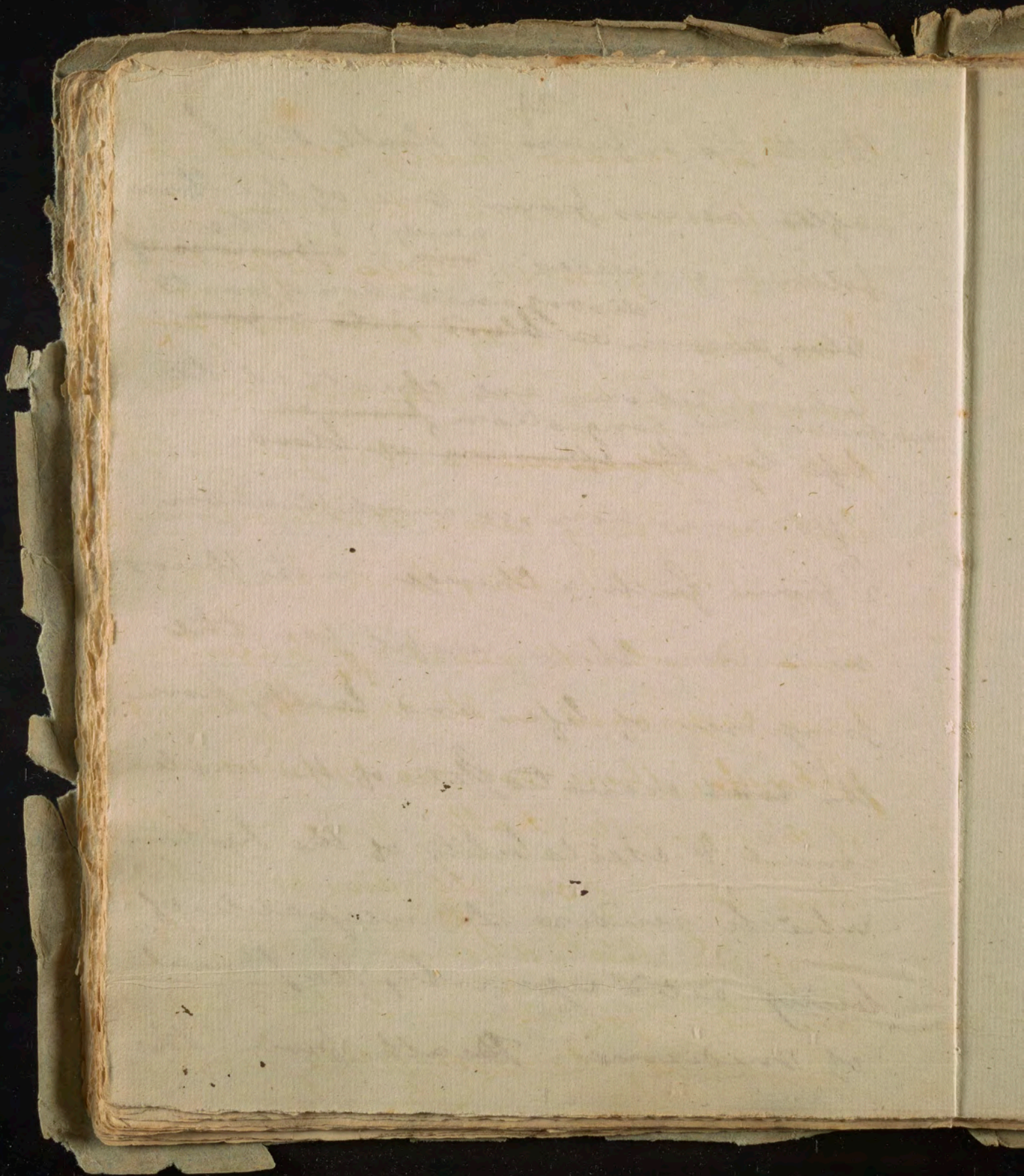
29.

Death from fevers I shall say here:
- after occurs from one of the three
following causes. ^{namely} 1. The
~~effusion of~~ ^{disorganization of parts}
~~blue serum or blood into organs~~

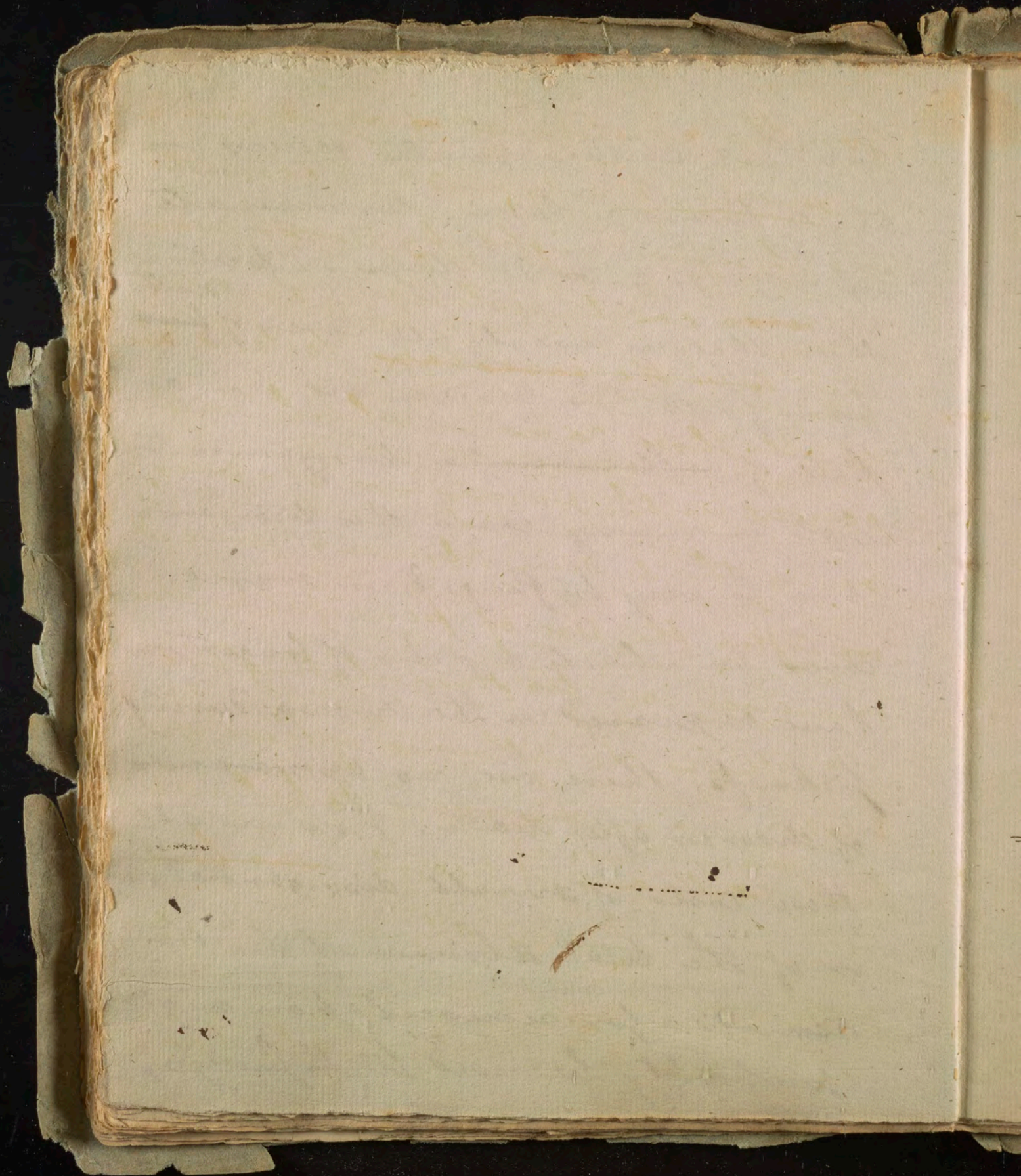
whose actions are essential to
^{except of morbid excitement,} Congestion, ~~from~~ in:
life by, ~~the effusions of blood,~~

- inflammation, or mortification.

^{by} 2 from such a change in the fluids
as renders them unfit for the
purposes of life, and ^{3^{ly}} lastly, from
the total exhausted state of the excite-
ment & excitability of the system
which renders it incapable of
being acted upon by the stimulus
of medicine. Death from the



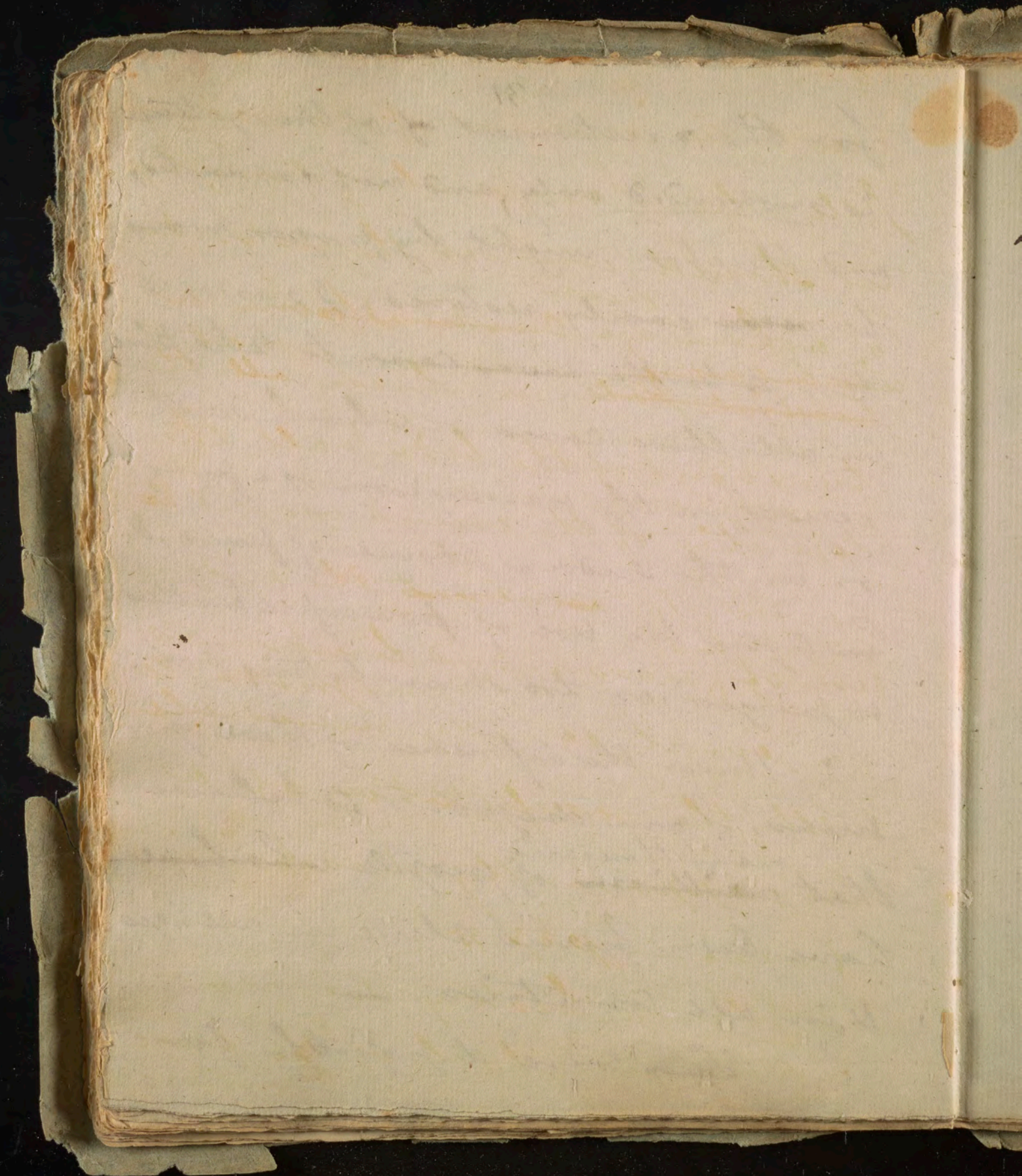
two last cases rarely occurs in acute fevers which terminate in 3, 5, 7, 9, or 11 days. Dissections ^{Death} show, that in nearly all cases of ~~fever~~ from fever, the viscera are in a state of ~~inflammation~~ disorganization, but in many cases this disorganization is very trifling, & in some cases in which marks of congestion have appeared in the viscera during sickness, there are no appearances of disorder after death. Now in all these cases of small disorganization, or of the total absence of it, the remedies for resuscitation might probably be used with success,



for the excitement of of the system
 is suspended only, and not exhausted,
 and therefore might, by proper means
 be ~~very~~ easily restored. I suspect
 this ~~to be the case~~ case, to take place,
 in all those cases in which death
 occurs in the paroxysm of a fever,
 or in the sudden absence of fever, &
 after the use of powerful emetics
 or purges, or too stimulating Diet.

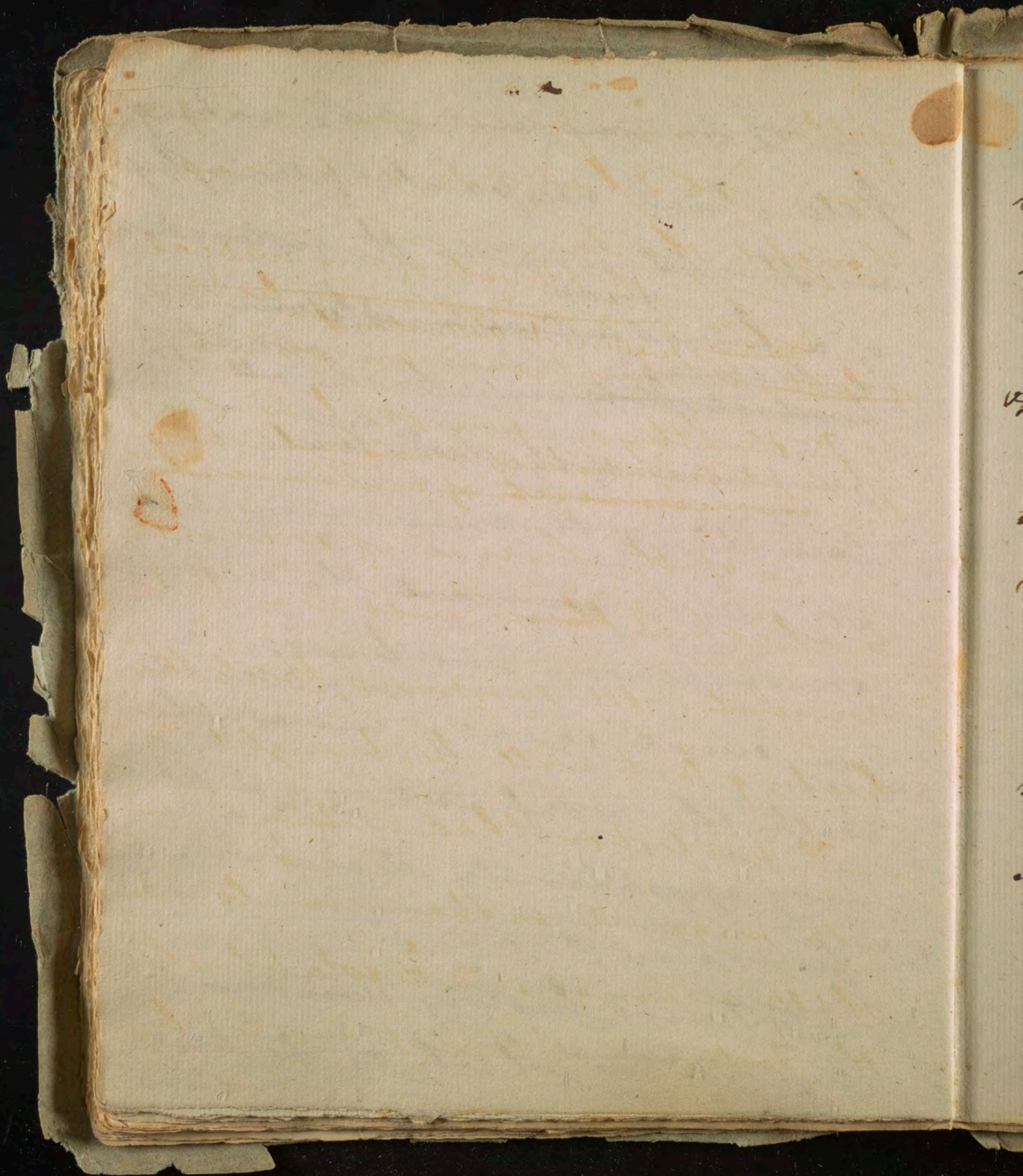
Under the influence of these opi-
 -nions, I am disposed to believe
 that ^{many thousands} ~~millions~~ of people ~~who have~~
 have been buried alive in all ages
 & in all countries. —

~~Let~~ were it possible for



us to be ignorant of the waking
 state which necessarily follows sleep,
 we should consider the restoration
 of a ^{man} ~~human creature~~ from a
^{recumbent posture} ~~prostrate~~ state, in which ^{most of} all the
 functions of the body, & all the
 faculties of the mind were sus-
 pended, to ~~as~~ ^{his} ~~exact~~ the sudden
 use of reason and limbs, as
 an event equally ^{improbable} ~~incredible~~
 with the resuscitation of a
 body apparently dead from a
 fever. — go to p. 35

[Sacred history does not
 inform us which of the proge-
 nitors



of the human race was the longest
 lives, but I have sometimes
 thought the survivor
 the 4th vol. of my medical
 In my ~~introductory~~ ^{inquiries & observations} lecture
 of last, I mentioned an opinion
 of Dr Hunter's upon the subject of
 propagation of Christianity by
 the ~~advancement of medicine~~
 means of the science of medicine
 to which I then yield my full
 consent. He supposes that the
 healing art will be brought to
 such perfection that missionaries
 into pagan & mahomedan countries
 shall recommend & establish
 the doctrines of Christianity by

✓ already has this prediction of Dr Hartley's
in part
unfulfilled. In one

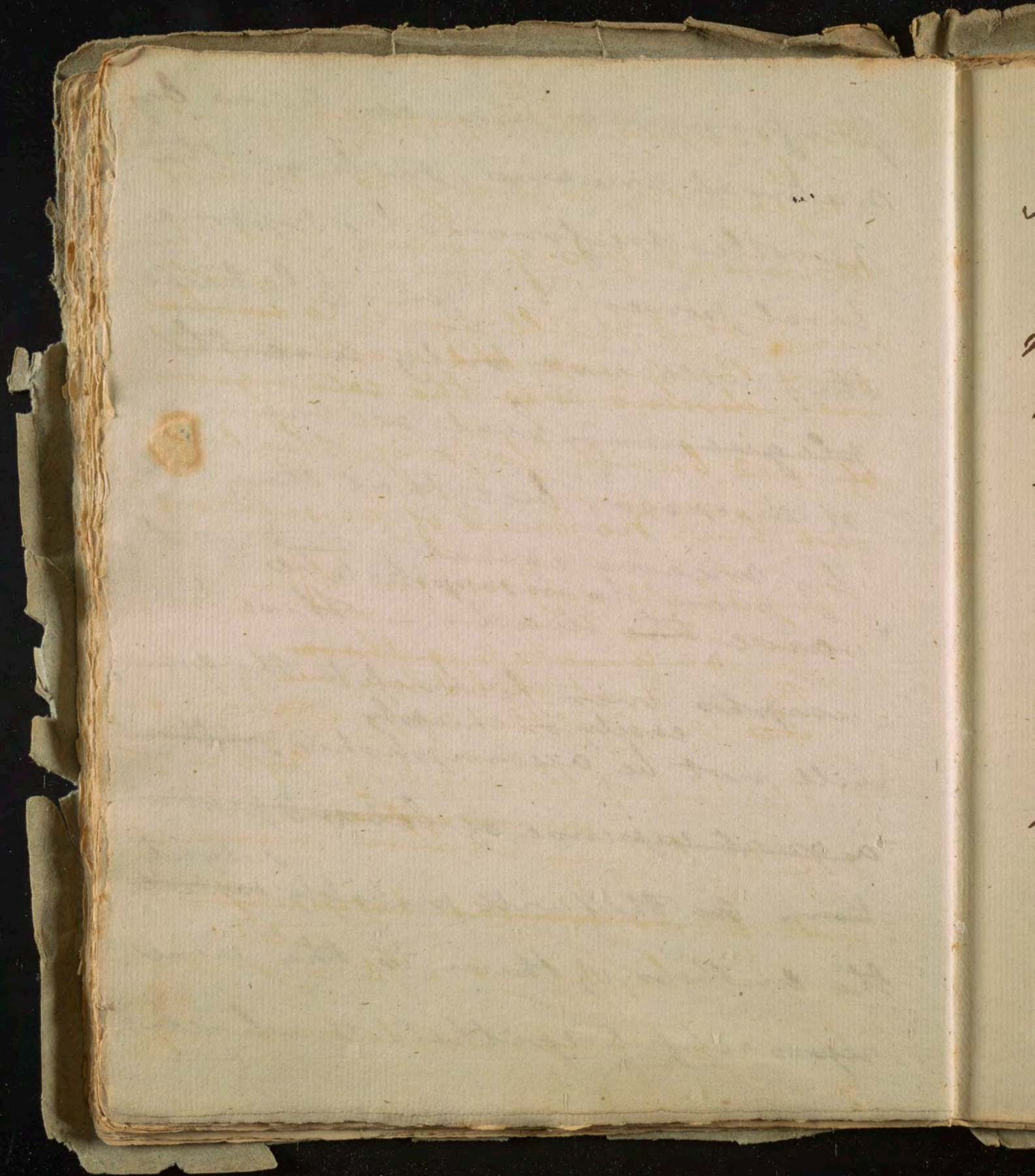
34
performing ~~possible~~ cures by
natural means, such as the
Apostles performed by superna-
tural power. ✓

Yes - I believe
they will not only ~~cure~~ the
"plagues, and" heal all manner
of diseases", but that they will
by means equally natural,
persons who are supposed to be
raise the dead. — These tri-

umphs over sickness & the grave,
easily or cheaply
will not be accomplished. without

a great expense of labor & ~~prudence~~

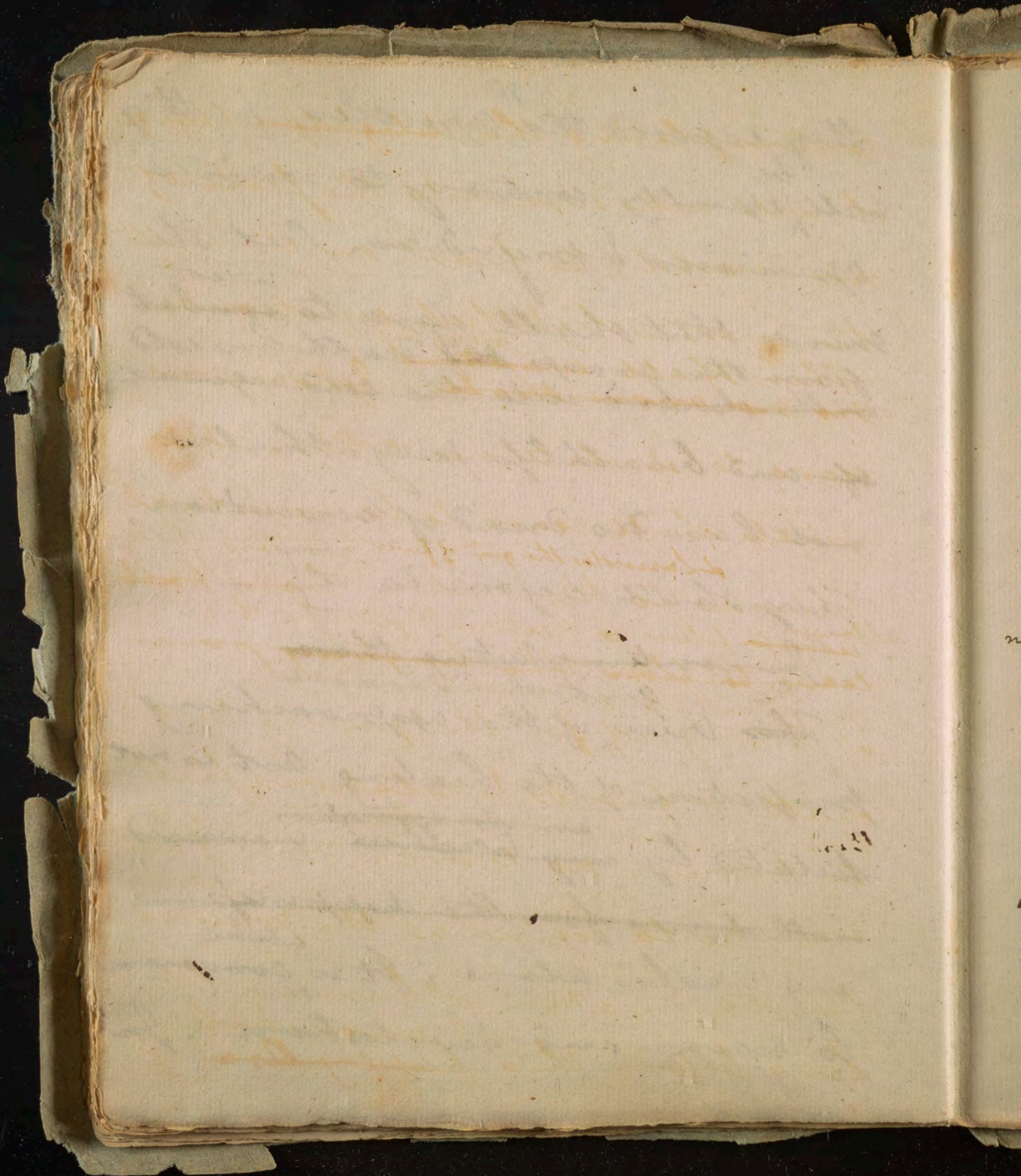
time. As they will probably ^{subject} expose
the authors of them to the same
reproachful epithets to which



35

they exposed the apostles, for they
will ^{be} equally contrary to received
opinions & prejudices. But the
minds that shall dare to ^{wrest} combat
from the grasp ~~the~~ death his cold
~~with descend into the cold regions~~
of and breath life prey, shall
~~not~~ have no dread of persecution.
They shall rejoice in it. -

~~In contemplating these~~
^{the} ~~this~~ ^{gent. which I have given} view of the approaching
perfection of the healing Art is not
dictated by ^{an imagination} ~~my wishes~~ ~~masses~~
~~with desires for the happiness~~
my wishes alone. It is ^{alike} consonant
to reason and revelation. In



contemplating the delightful change
it will introduce into the state of
our world, the heart swells with
the most delightful emotions.

Then shall ~~earthly~~ ^{mortal} Epidemics
~~no more shall~~

cease to desolate our cities. Hos:

Hospitals shall cease to be perpetual
Lazarettes, the gem of fear and tears shall

prisons to the sick - ~~Fears shall~~
^{no longer} ~~lead~~ to follow ~~to~~ relations & friends to a
cease to flow The lingering pains
premature grave.

of Land Grief for the premature

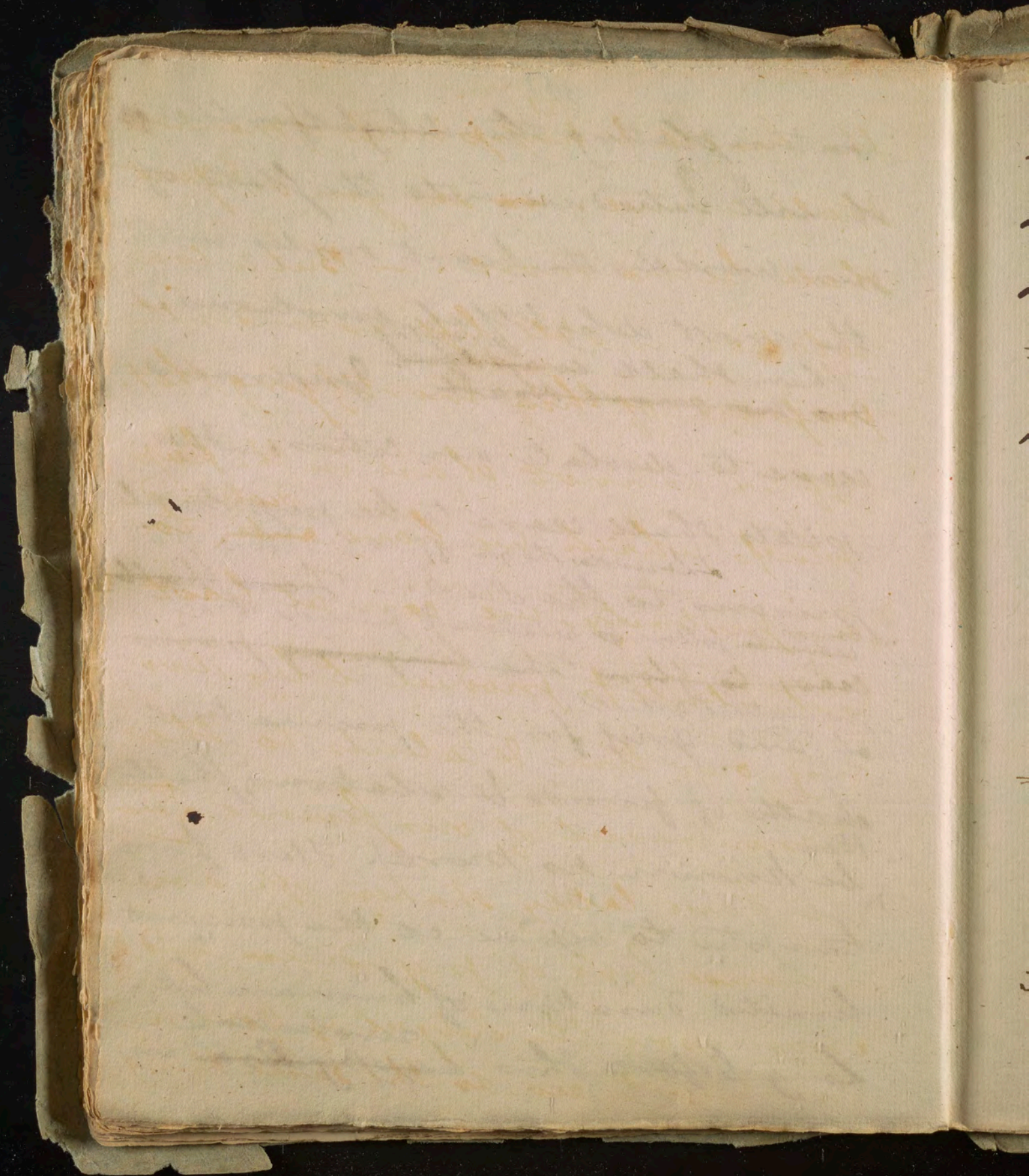
death of friends & relations, shall
then

be known no more. Here I am

tempted to repine at the present

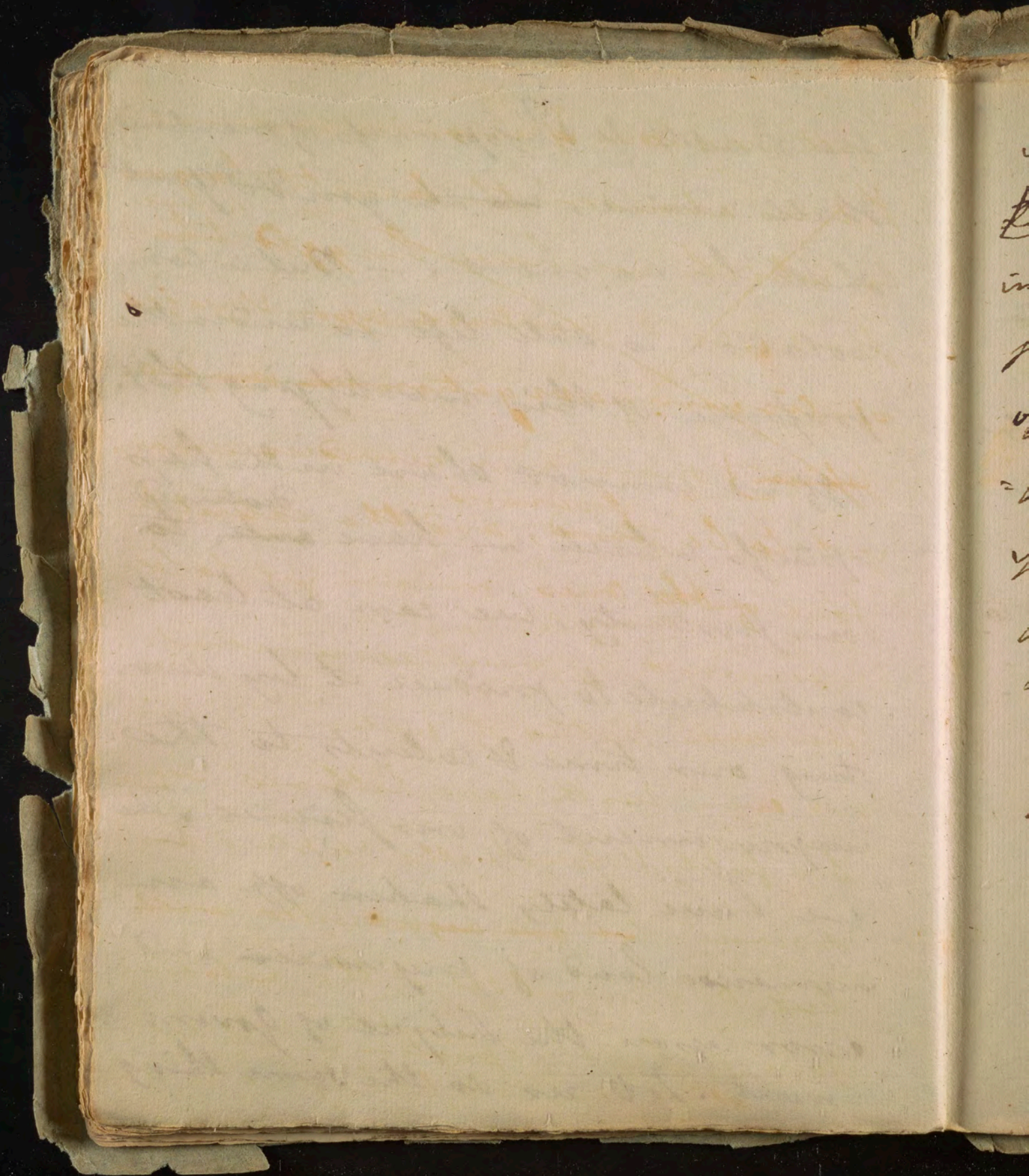
limited duration of human life.

Long before this happy ^{revolution} ~~day~~ in



the health & happiness³⁷ of mankind
shall arrive, ~~as to~~ you & I Gent.
shall be no more. — But a con-
-solation is still left us under the
pressure of this mortifying tht.

— If we cannot share in the hap-
-piness which we have ^{deserved} ~~earned~~ for
our posterity, we can at least
contribute to produce it, by devo-
-ting our time & talents to the
improvement of our science. [The
we have lately shaken off an
immense load of prejudices and
error upon the subject of govern-
-ment. Let us do the same thing



with prejudice & error in medicine.
~~Let us abandon the humble bargains~~
 in which we have ^{our native} begged the
 shore, and venture upon voyages
 of circumnavigation ~~is impossible~~
~~before~~ many new remedies remain
 yet to be ^{discovered} tried, and the extent &
 force of ~~old~~ ones, remain yet to be
 determined by new experiments.
 The Baths of water, oil, air
 and even, Earth have hitherto been
 but feebly & partially applied in
 diseases. ~~We are acquainted with~~
~~but~~ Our knowledge of the extreme
 force of heat, ^{is pasties} & ~~is pasties~~ in which
 I include Cansties & boiling water as

V The active benefits to be derived
from ^{of} the proper Dissection of the
active ^{faculties} principles of the mind, &
above all particularly from ^{of} the
principle of Association remain
yet to be examined & applied to
medicine.

39
well as ~~Spanish~~ ^{blistering} flies ^{as is} as yet
limited by ^{ancient} habits of & forms of
prescription. Frictions, Exercise
& even labor, as remedies are
equally administered by ancient
measures. ^{Let us} ~~It becomes us to forget~~
all that we learned upon these &
other articles of the Materia medica,
and ~~take them again~~ ^{to} prescribe
them in doses ~~and~~ that shall accord
with our present Systems of medicine.
We have too long hugged the our na-
-tive shores of ^{in medicine} ~~ignorance & prejudice~~.
Let us attempt a voyage of Cir-
-cumnavigation in medicine. The
prejudice which has lately attended the

V and mercury which once so ^{tempting} ~~forbidden~~ to
sick people, has become in many families, a
common domestic medicine. ~~Let us be~~
~~encouraged by the~~

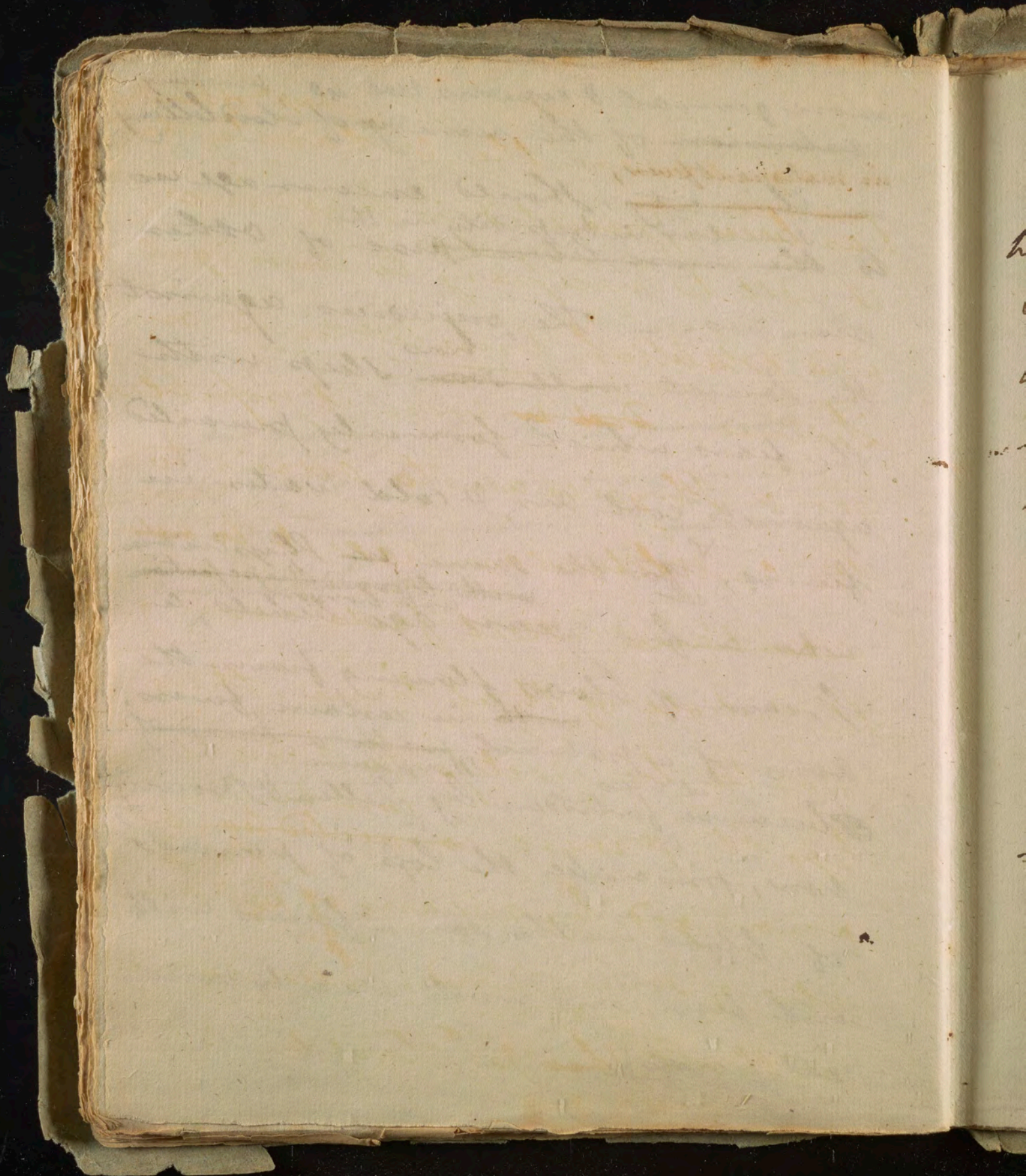
more general & copious use ^{to mercury} 40
extension of the remedies of blood letting,
in malignant fevers,
~~in this city~~, should encourage us
to ~~the more liberal use~~ ^{similar in frequency in the} of other

remedies. — The prejudices against
the lancet will ~~now~~ ^{now} sleep with
the fears which formerly prevailed
against cool air, & cold water in

fevers, [✓] for the same ~~as~~ Physicians
who a few years ^{ago} ~~with~~ ^{with} ~~beheld~~ ^{with horror} a
stream of blood flowing from the

arm of a patient, ^{with} ~~in certain fevers,~~
^{it was} ~~with a kind of~~
~~obscure~~ ^{it was} ~~forbidden by~~ ^{Henry} ~~Allen & Brown~~

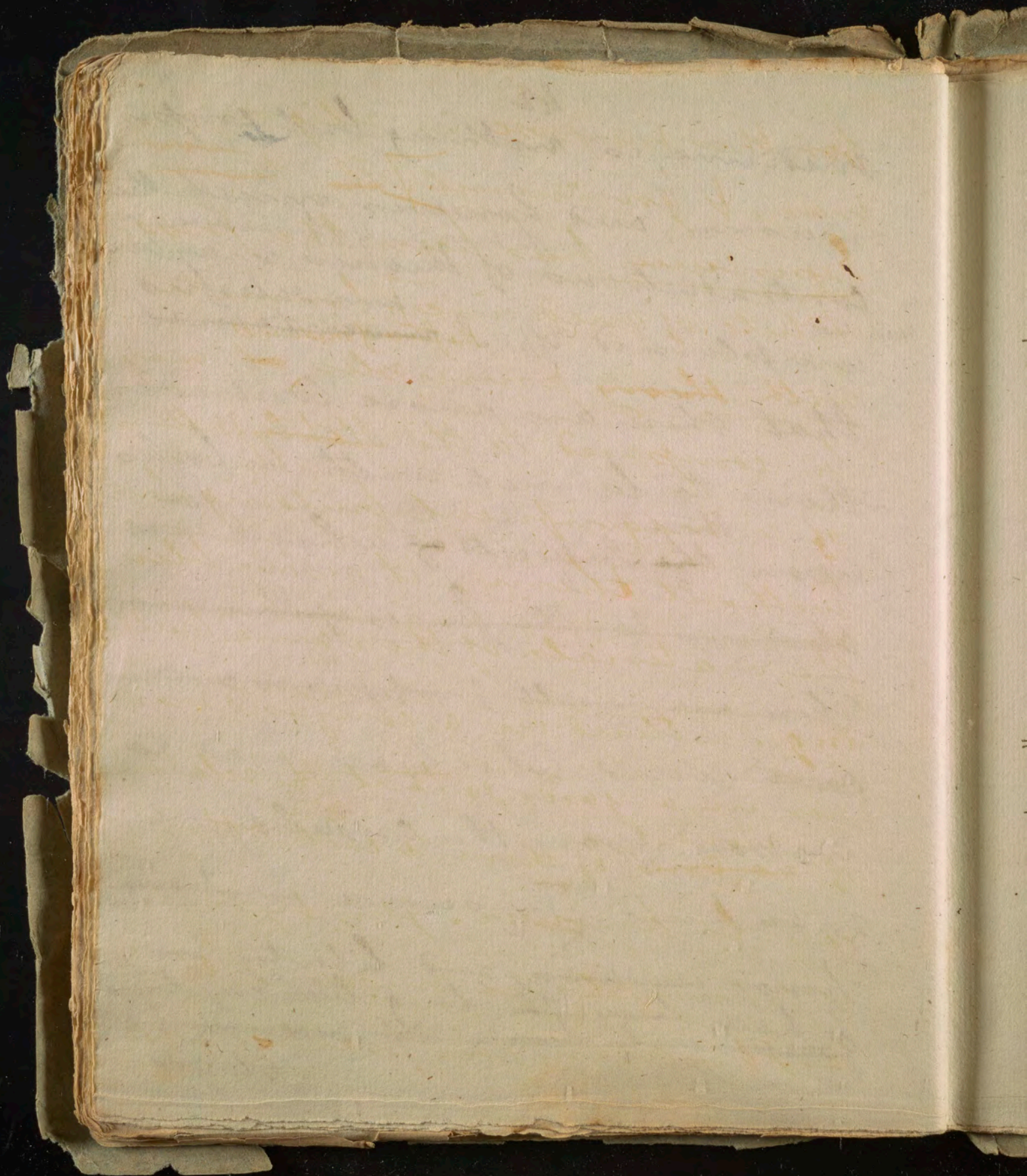
now, prescribe the loss of pounds
of blood in the same fevers with
out fear, and with nearly univer-
sal success. —



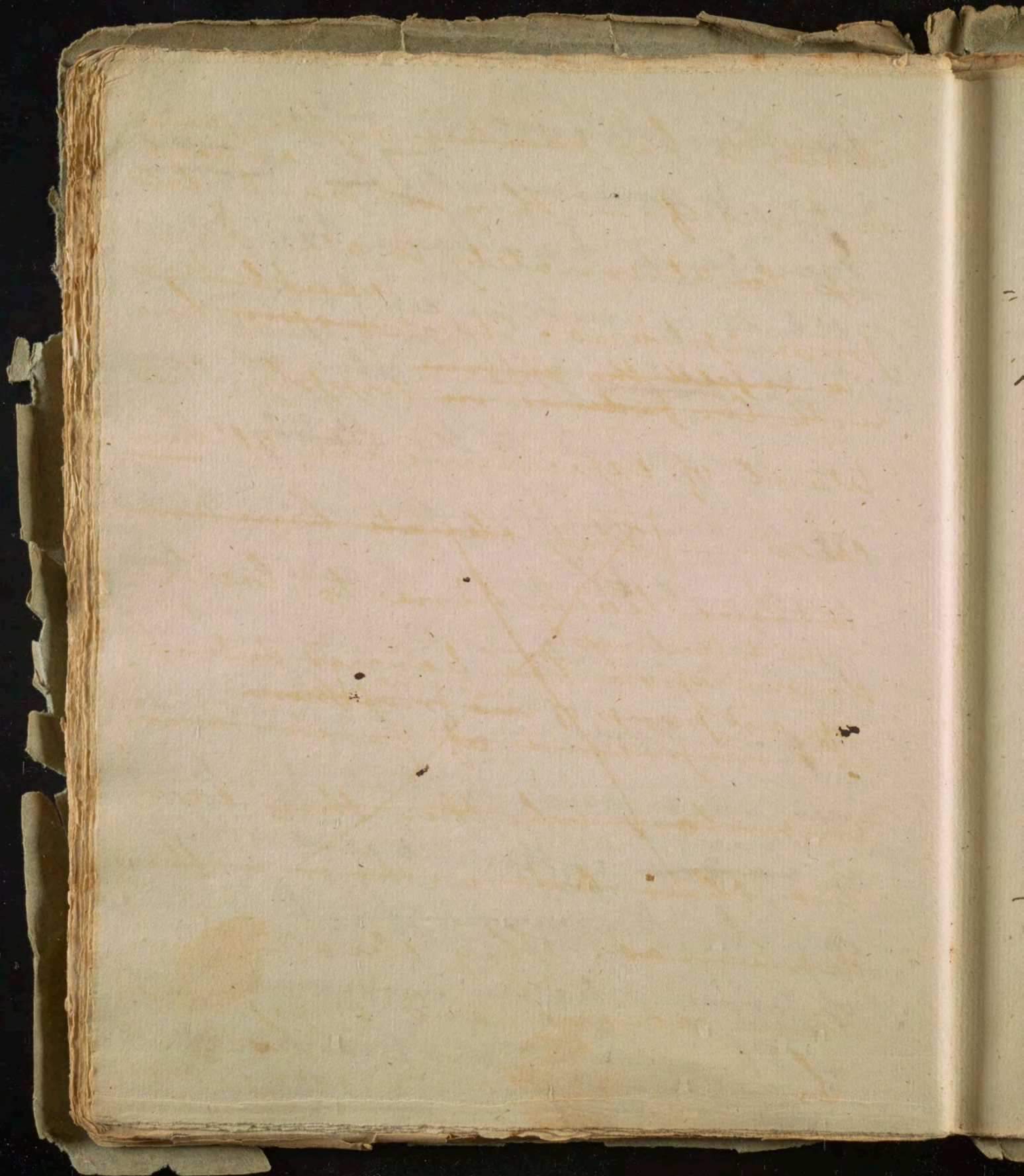
To ensure the certainty that
 has been predicted in medicine,
 it will be necessary to investigate
 and establish principles in our
 Science. ~~But~~ even if possible
 for a Physician to attain to
 the Antichurian age, & to add
 a certain collect facts during
 the whole of that time, they
 would be useless to him un-
 less they were ^{combined} ~~connected by~~ &
 arranged by means of princi-
ples of some kind. Experience
 without ~~the~~ philosophy in

✓ Senses are employed to judge between
truth & error. — Connected

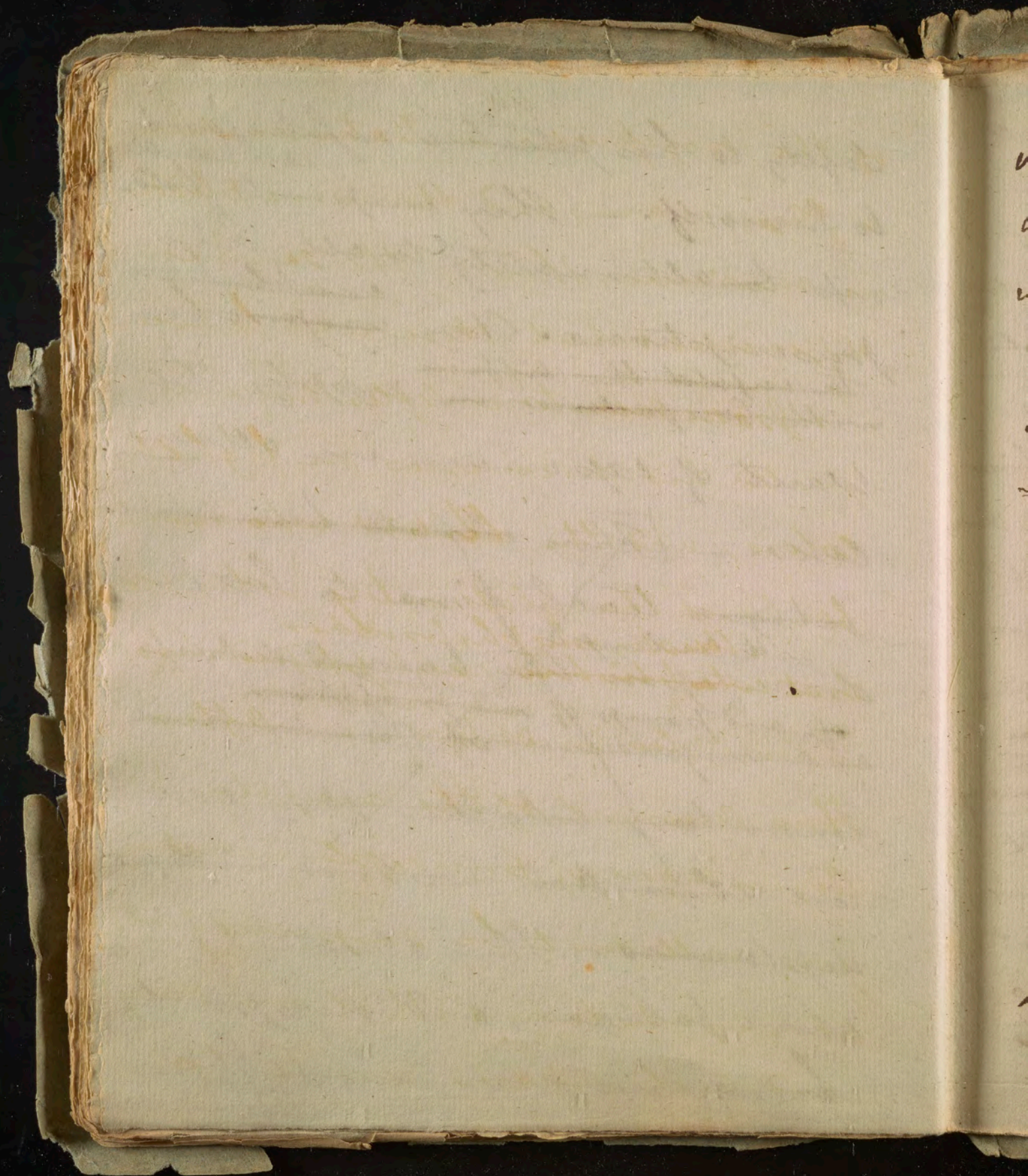
medicine, is nothing but empiri-
 -icism, and however much the
 contradictions of theories, ^{or the uncertainty of human Reason in} may be
^{medicine} complained off, I ^{am} satisfied ~~maintained~~
 that there are more contradic-
 tions to be met with in books
 upon ^{those} ~~the~~ subjects ⁱⁿ of which ~~are~~ ^{the}
~~obvious to the senses of Physicians.~~
~~There are in all professions certain~~
~~cant words which are used to~~
~~impose upon the credulity of~~
~~man kind. [Conscience inseligion,~~
~~honor is war, and liberty is~~
~~have been the long been employed~~
~~Government have all been con-~~
~~-played~~



for this purpose in religion -
 was, & government. ^{word} ~~The~~ ~~then~~
Experience has been the pros-
 titute of medicine. [connected
 with ~~theory~~ ^{the science of medicine} principles, ~~it~~ may
 be compared to the ~~slately~~ pillars
 of a magnificent building, but
 without them, it resembles
 the materials of the same build-
 -ing scattered in a confused man-
 -ner in a yard, so that the relation
 of ^{none} ~~no one~~ of them to each other
 can be known. It is by means
 of principles in medicine that
 a Physician can practise with



safety to his ^{patients} practice or satisfaction
to himself. — They impart bold-
ness to alternately to all his
prescriptions. They ^{enable him} inspire him
to ~~unfold the diffidence~~
with confidence in supply the
want of experience in all new
cases. — ~~They elevate him above~~
~~fatigue teach him to look~~
~~down upon the~~ ^{with contempt} ~~harmful dulness~~
~~of and pomp of~~ ^{medicine} ~~and professions.~~
~~and impudence of quacks, and~~
~~ignorance whether they ever~~
~~use their arts with or without~~
~~diplommas.~~ They elevate him
above fatigue, and support
him under the druggery, mor-
tifications



45

of the profession. — Between such
a Physician, and the mere plodder
in medicine, there is the same
difference, that there was between
Sir Isaac Newton after he com-
pleted his discoveries in light &
colors, and the Artist who manu-
factured the glasses by which
^{illustrious philosopher}
that ~~established~~ exemplified his
principles in optics. — After
this account of the necessity, &
Advantages of principles in medicine
you will not be surprised Gent.
at my delaying, that my duty
and inclinations unite to

V But in this arduous business, I shall
not labour alone. I anticipate the
most vigorous support ~~from~~ to my
principles from the doctrines which
will be taught from the ~~chemical~~
Chair ^{of Chemistry & Materia medica} by my colleagues
~~by my very former pupil Dr Wood:~~
~~& Dr Barton~~
House. I congratulate the late gent. upon ^{the} his
~~appointment~~. I know his talents &
qualifications ^{of those gentlemen} to be equal ^{their} to ~~be equal to it~~, &
I am not afraid to promise forthwith
that they will not disappoint the expec-
tations of his friends & the public. —

We live gent. in a revolutionary
age. Medicine has caught the spirit
of the times. The system of Dr Boerhaave
which had subjugated the greatest part
of Europe & all America, yielded about 30
years ago to the system of Dr Fuller. Its
~~triumph was of short duration~~

as far as possible 46 philosophy
determine me, to teach the theory
of medicine from this Chair. I

know the difficulty of the Under-

taking. This great man's ~~this~~
~~The Physicians of Great~~
~~conquered~~ empire in medicine, ^{has} ~~have~~
~~present day are~~ ^{are} ~~disputed~~
~~lately been disputed by the ingenious Dr.~~
~~between the systems of Dr. Brown~~
Brown.

~~have, Dr. Keil & Dr. Brown. One~~
^{of them}

~~One is altogether erroneous, and~~

~~no one of them is altogether true.~~

~~It shall be my business to as~~

^{I shall endeavour}
~~far as I am able, to expose~~

~~their~~ ^{the} errors, & to establish the

truths contained in ^{each of these} ~~each of them.~~

^{systems}
~~I shall also to expose their defects~~

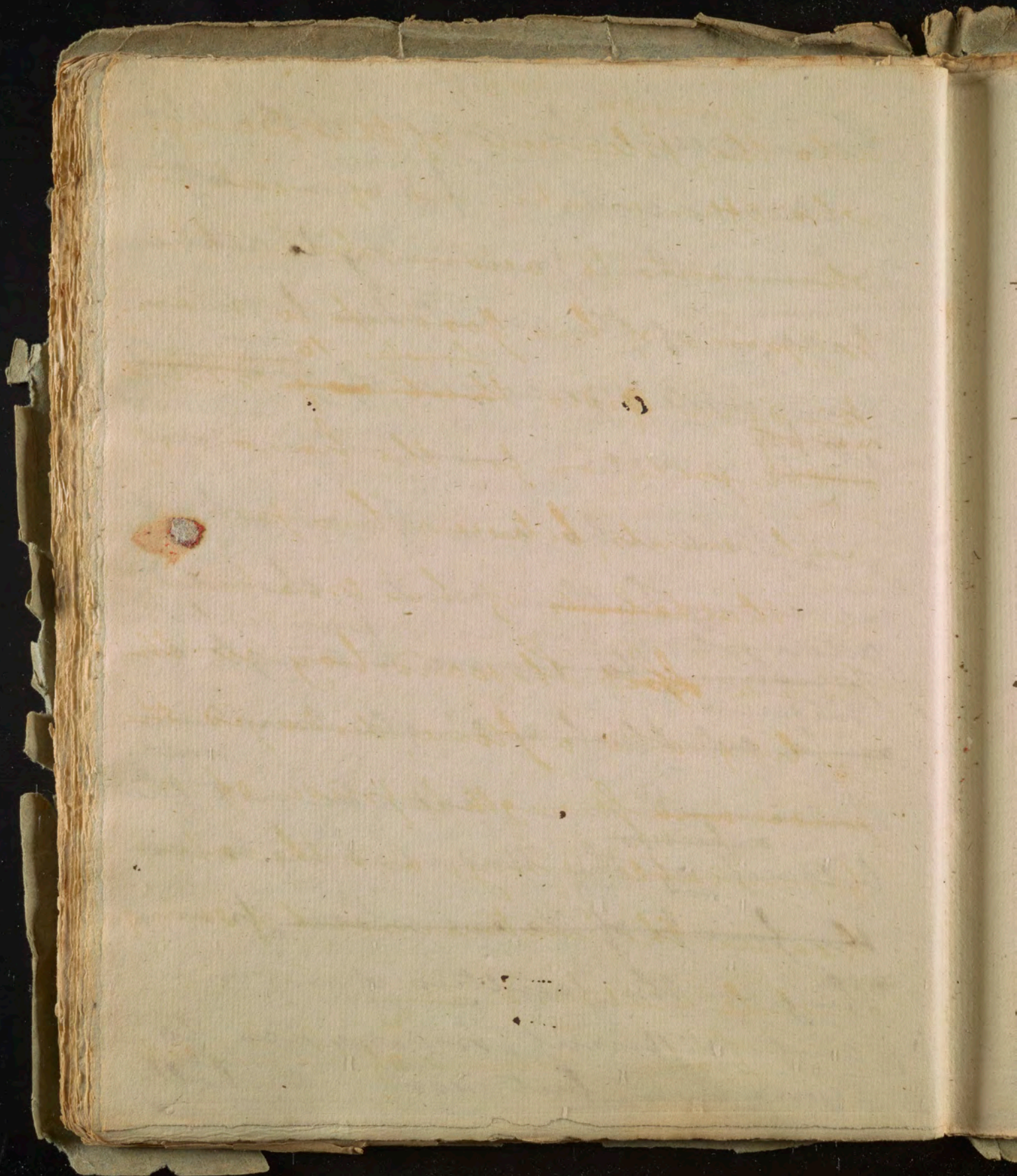
by the detail of principles which

business ~~and business~~, I shall not
labour alone. I anticipate ~~both~~
a vigorous ^{to my principles,}
~~instruction and support~~ from the
doctrines which will be taught by ^{my former pupil}
~~from the chemical chair by my~~
~~the Professor of Chemistry, who will~~
~~former pupil Dr Woodhouse.~~
~~tomorrow~~ I congratulate you gent.^r
~~of the whole republic of science~~ I know
upon his appointment. His talents
& qualifications ^{to be} are equal to it, and I
not afraid to promise ^{for him} that he will
not disappoint the expectations of his
friends or the public.

We live in a revolutionary age.
medicine has happily caught the spirit
of the times. Dr Brown has demolished
the system of his immediately predecessor
Dr Keffer, ^{without} but ~~has~~ substituted
~~nothing~~ better one in its room.

have been the result of the observations, and, — [I am not ashamed thus publicly to acknowledge, & of the mistakes both in principle & practice, of ~~five~~^{near forty} and ~~thirty~~^{thirty} years. — In this difficult

[But who am I, or what ^{thus} were my Father, that I should attempt to teach new principles in ~~possession~~ ^{medicine?} ~~to expose a single error,~~ ^{or to establish a single truth in} ~~medicine?~~ ^{gent.} — Ascribe not ^{the} boldness of the Undertaking, ~~to or~~ ^{aspects} ~~the force~~ of its execution, to any thing in the faculties of my mind gent. different, or superior to your own, but resolve it wholly

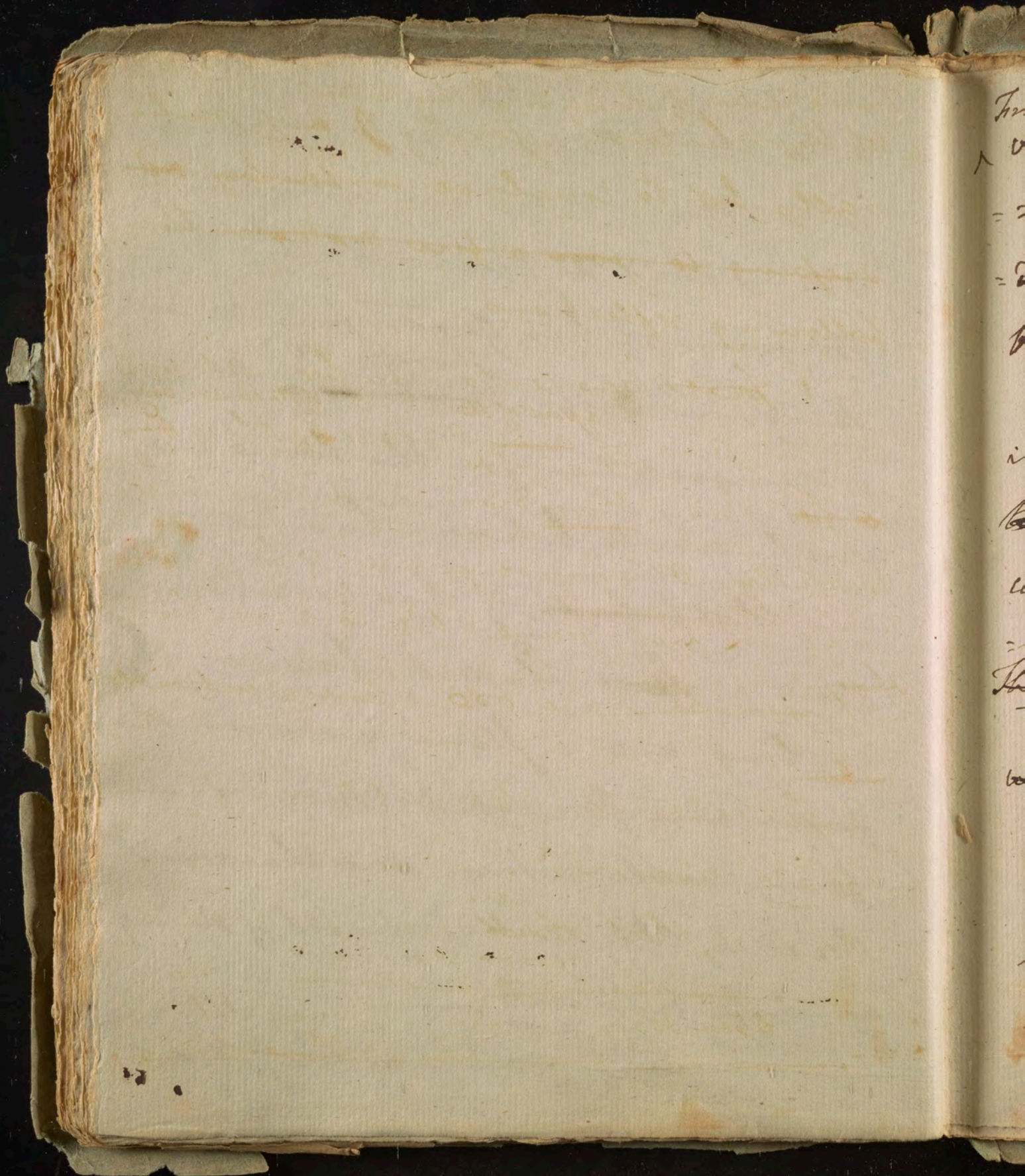


sovereign

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into the pleasure of that Being,
who often makes use of weak in-
struments to accomplish the
purposes of his goodness to man-
kind, in order ^{thereby to} ~~that~~ prevent
a competition for the honor of
such events, between his power
and that ~~talents~~ of his creatures.
Thus a ~~shep~~ Shepherd boy with
a sling and a stone, destroyed the
pride and strength & pride of a
formidable Army, and thereby
became the instrument of saving
a whole nation.] —

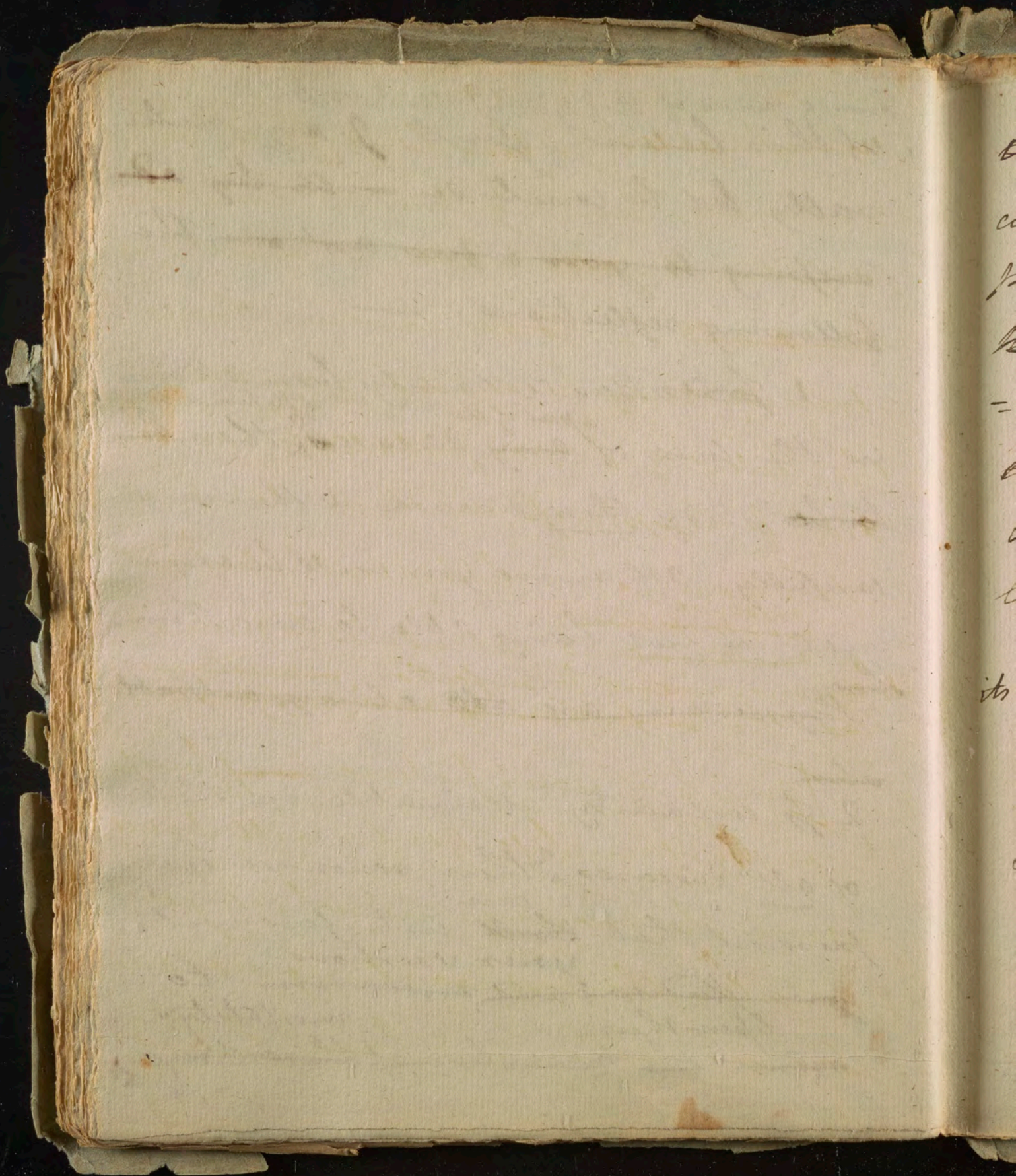
From a review of the subject



From a review of the subject ^{of} this lecture
of this lecture, Gent: I ^{am} natu-
rally led to conclude ^{with} by ad-
-dressing to you a few ~~articles~~ the
following reflections. —

1 ~~For~~ Has certainty been attained
in the cure of ^{apart of the} ~~any~~ diseases, ^{of the human body;} then ~~can~~
~~to be~~ study those diseases, & their remedies
carefully, otherwise you will be crimi-
-nal in not being able to cure them.
~~These~~ Physicians are ~~all~~ always culpable

~~who~~
2 If certainty attainable in the cure
of all diseases, then renounce every
pursuit that ~~shall~~ ^{can} interfere with
~~your studies, and endeavours to~~
^{your exertions} ~~open this~~ ^{mortality.}
~~reduce the number of those diseases.~~



~~which still~~ ^{Subject of} It has long been a
 controversy among Divines, whether
 perfection be attainable in morals ⁱⁿ ~~is~~
~~this world~~. - ~~It is~~ However this con-
 -troversy may be decided, I am sure
 the belief of it is calculated to ^{advance} moral
 order & happiness in the world. In
 like manner a belief in the certainty
 of ^{medicine} ~~our profession~~ is calculated to promote
 its improvement & perfection ^{in medicine}.
~~the perfection of our profession.~~

[Much of your future ~~success~~
 & comfort in Life Gent: will depend
 upon the manner in which you
 employ the approaching season
 for instruction. I have heard



~~Handwritten text, possibly a signature or name, crossed out with a horizontal line.~~

Handwritten text, possibly a signature or name, underlined.

Handwritten text on the right edge of the page, partially visible. It appears to be a list or a series of entries, with some words like "idly" and "in" visible.

It said that every barrel of sugar
manufactured in the West Indies
costs a human life. — with equal

certainty I fear it may be said that

every dollar and evening that ^{are} ~~is~~
^{idly & improperly} spent by a student of Physic at ~~the~~

~~a place of public~~
~~circus or theatre~~, will cost the life

a patient. ~~It is~~ ^{not} ~~my~~ business

to decide upon the morality or im-

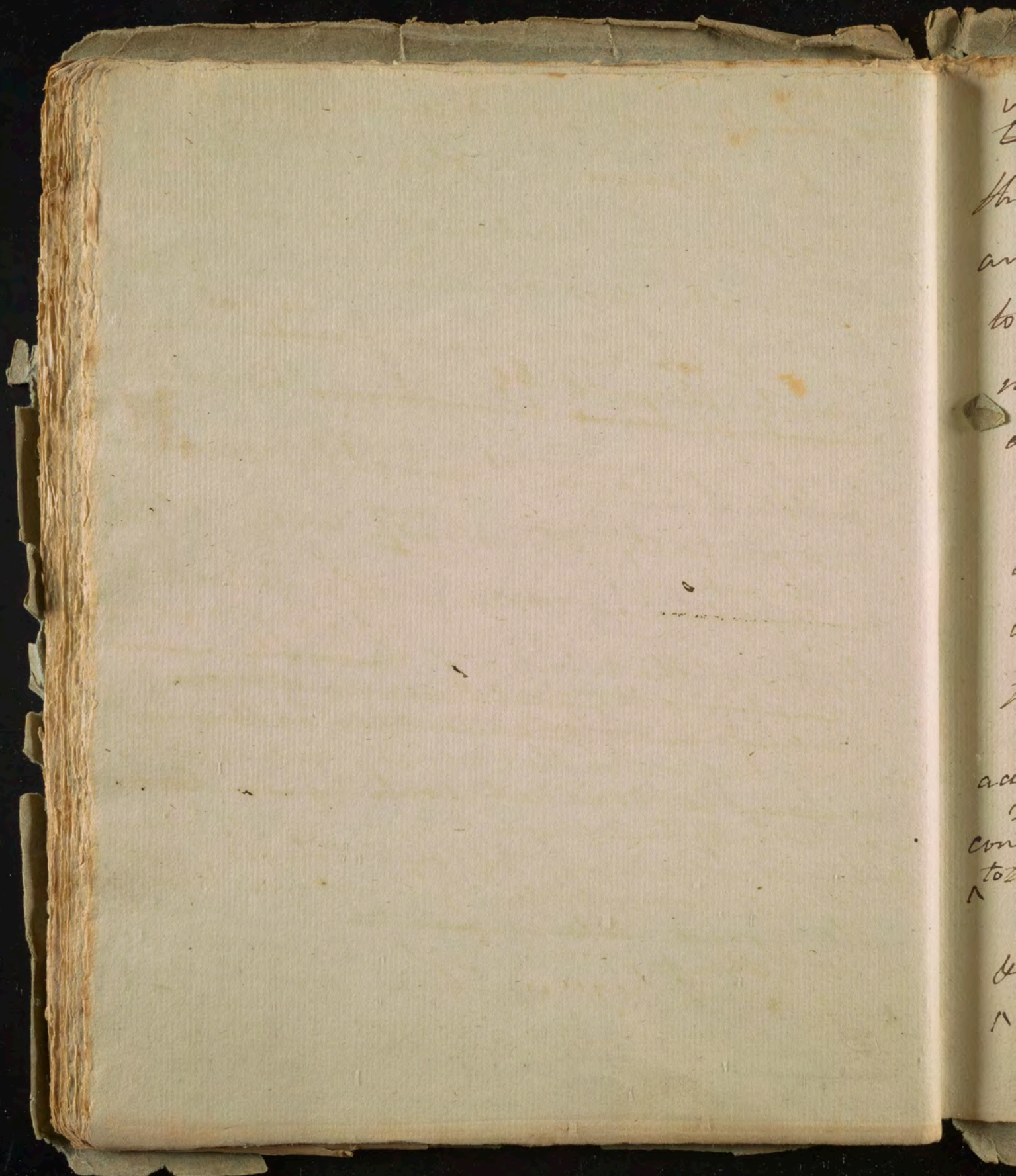
morality of ^{public} ~~these~~ amusements, but

as far as they employ money that
might be applied to purchase medi-

cal books, or time that might be

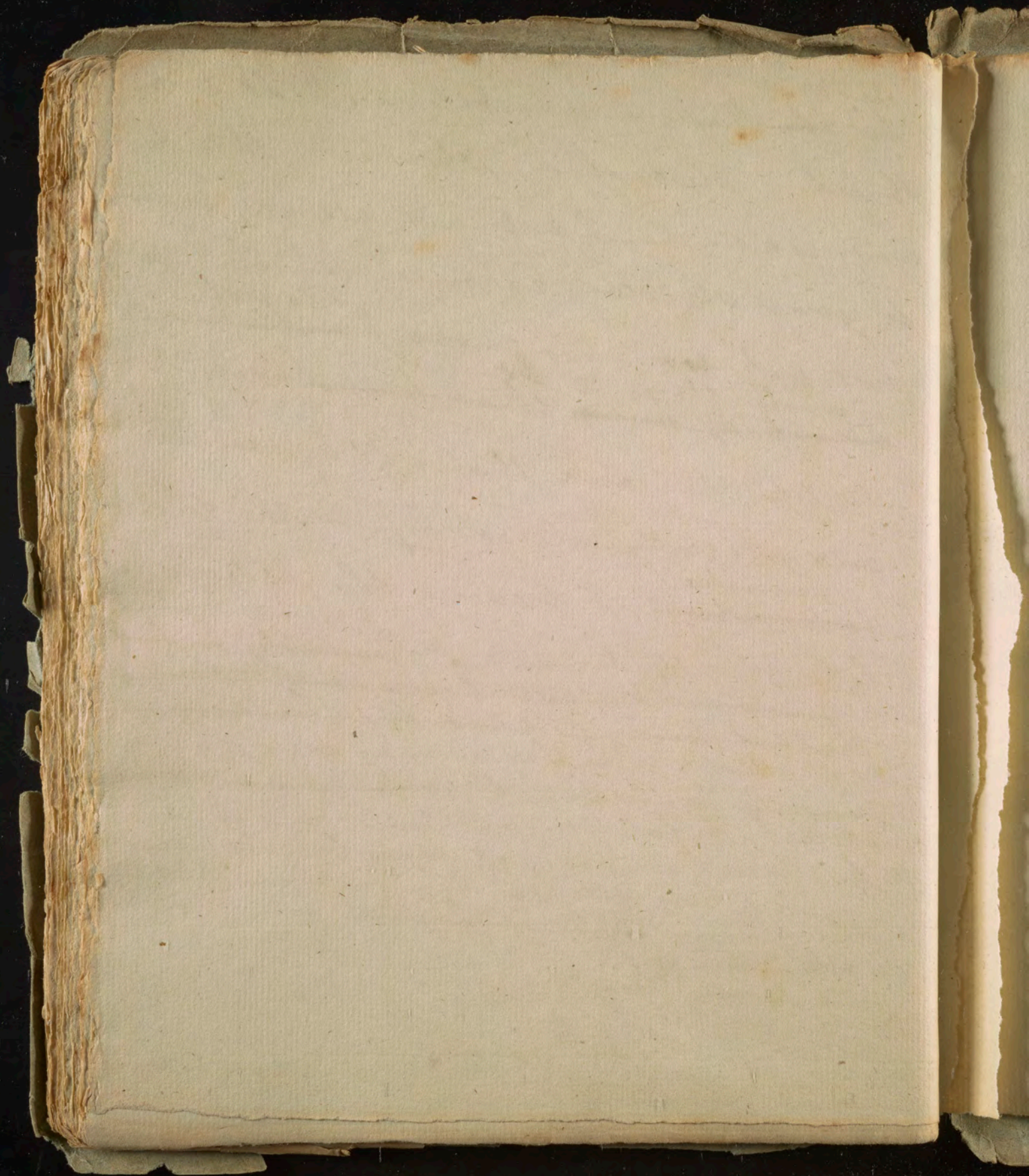
employed in reading, or ^{studying} ~~revising~~

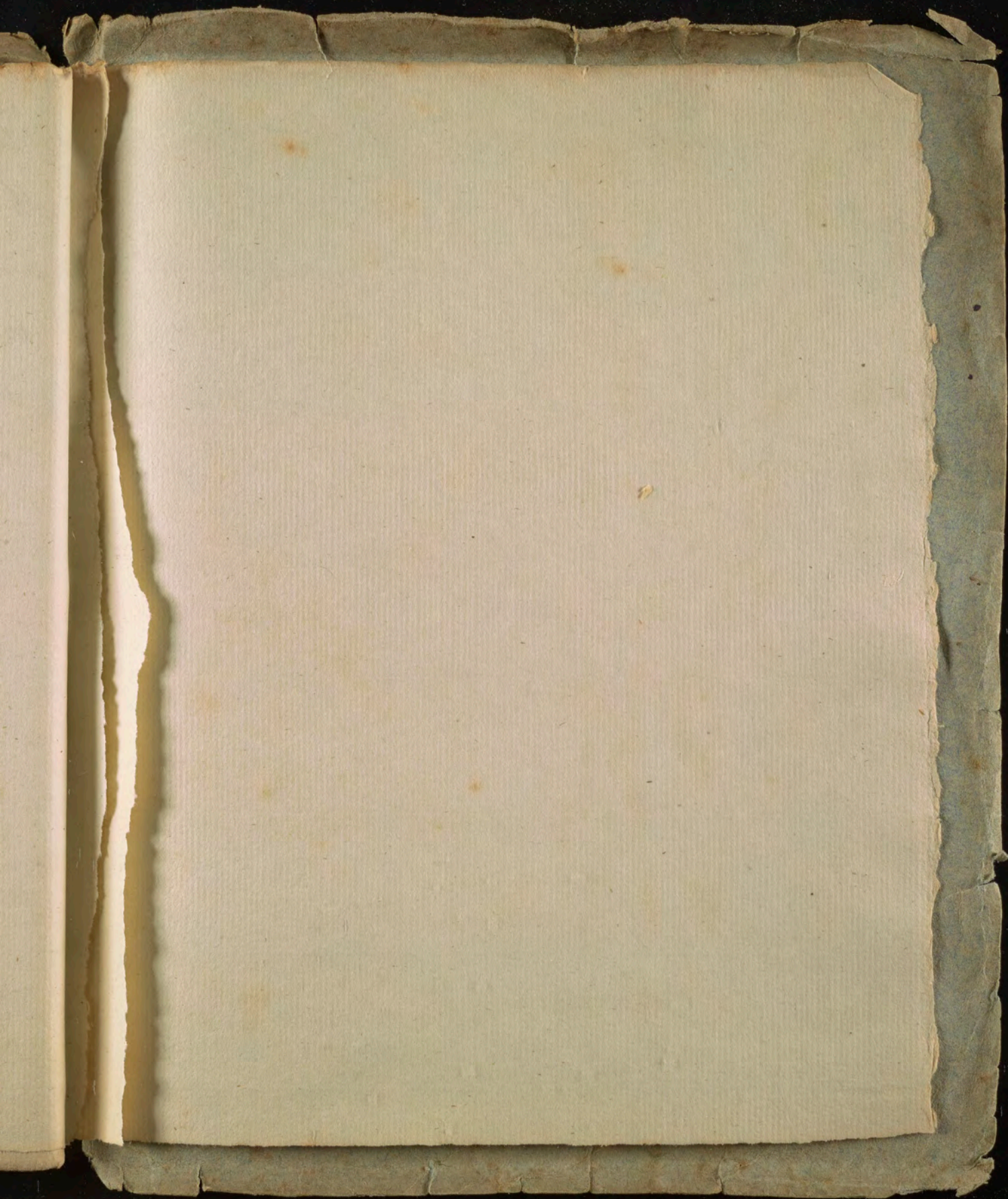
~~lectures~~ the subjects of the lectures of
the day, they ~~also~~ are ^{certainly} ~~criminal~~

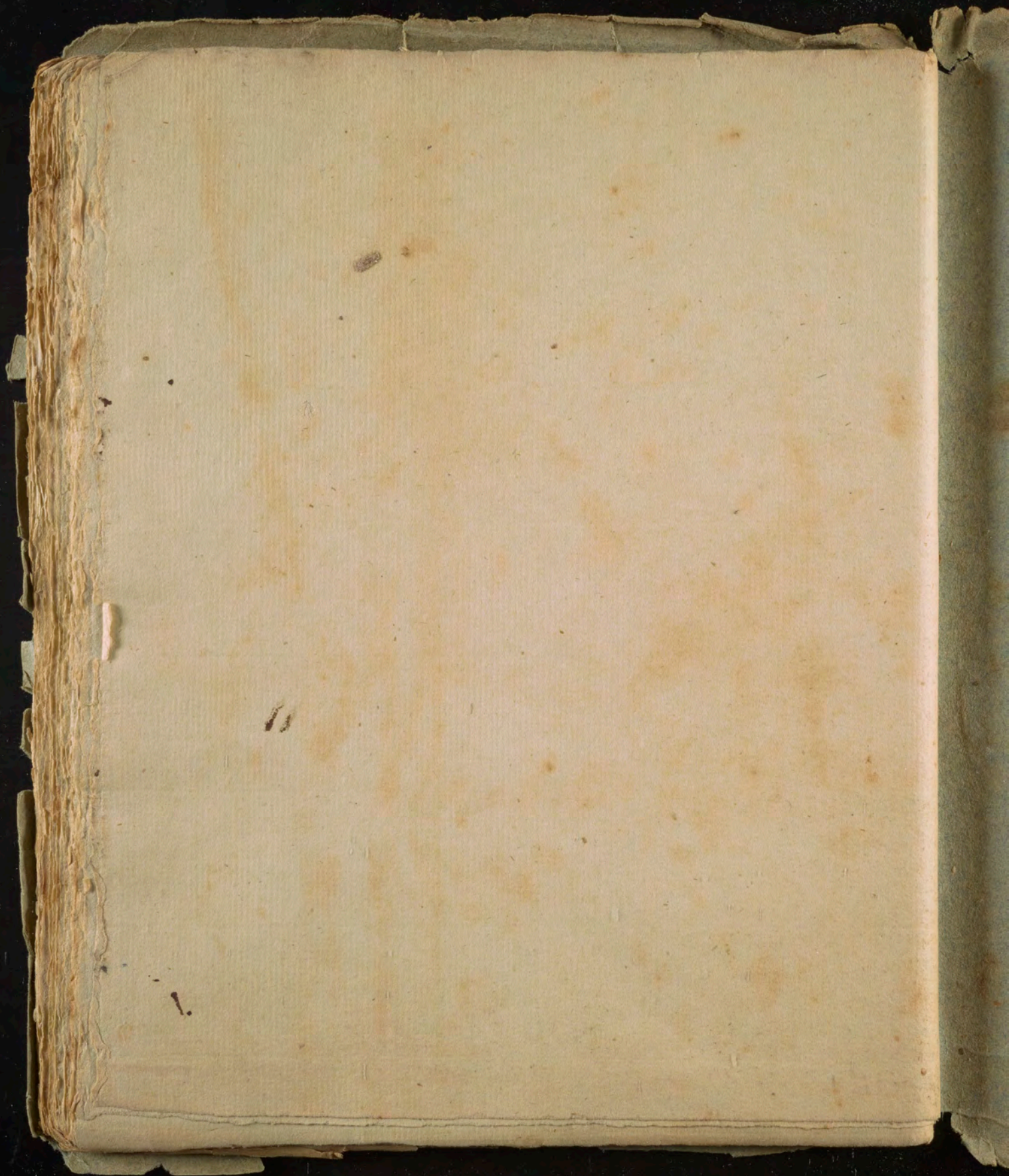


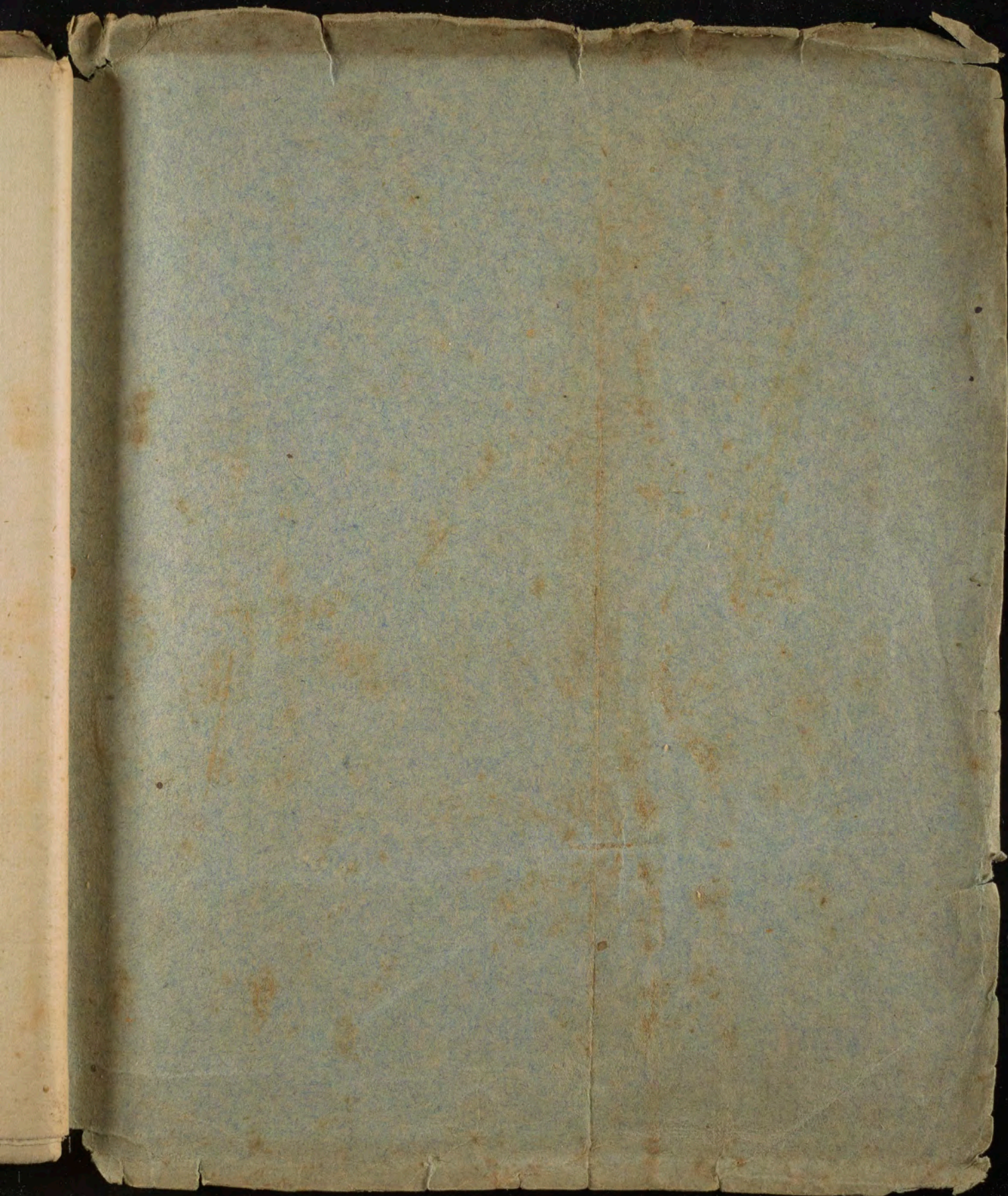
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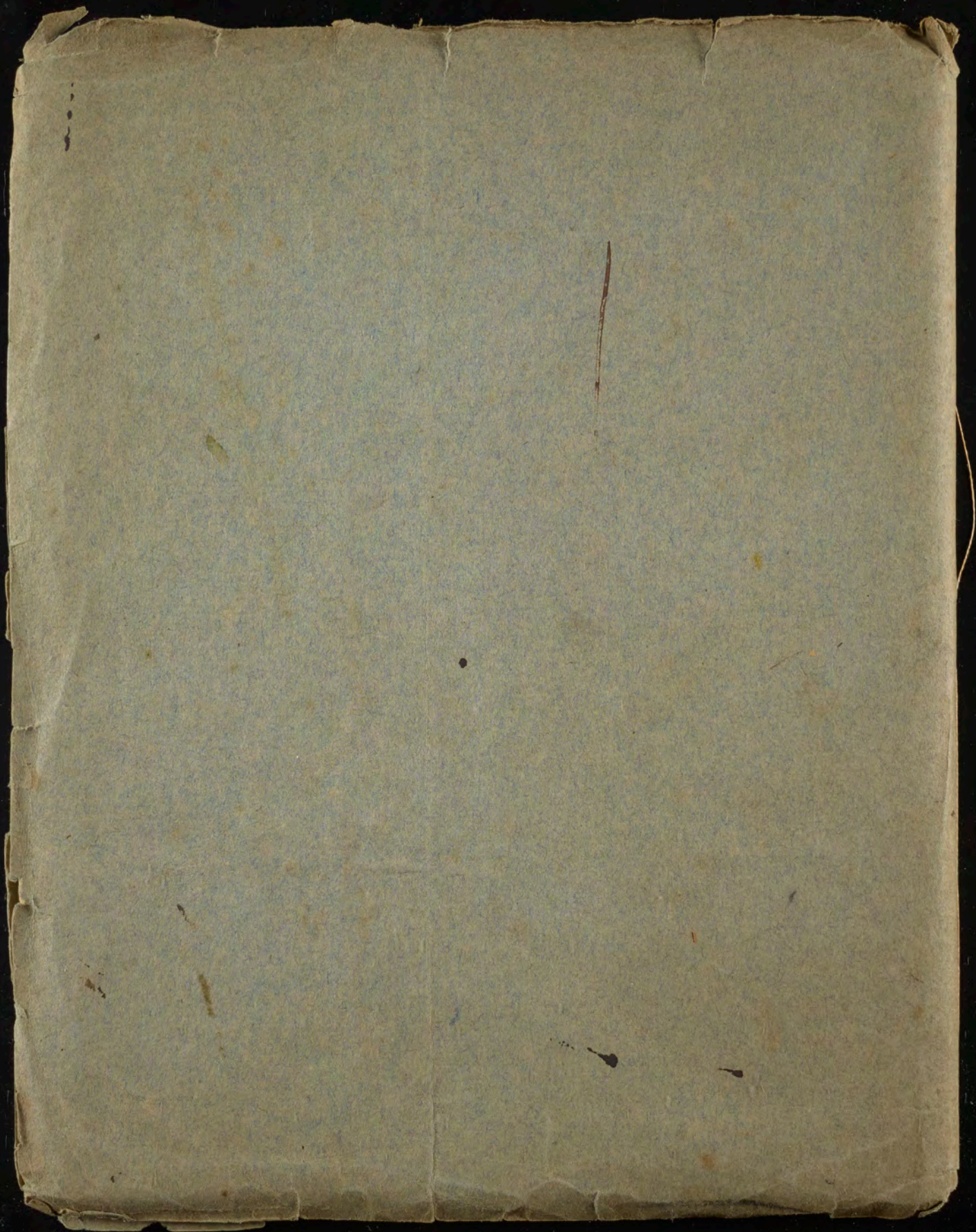
in a
to the student of medicine. Read -
think - Observe - Observe - think
and read. — I submit all my opinions
to your strictest examination. I do
not ask, for any more I ^{Do not} ~~will not~~
^{wish them to be} ~~admit of being~~ ^{being} adopted,
unless they are thoroughly examined,
and perfectly understood. With these
^{remarks} ~~declarations~~, I resume the labors &
studies of the winter. ^{I have only to} ~~respectfully begging~~
^{imploring the great presence of} ~~that it may please the Father of~~
add my best wishes that we may each of us be
~~enabled to conduct each of us~~ ^{conducted by the hand of heaven, this} ~~of lectures~~
to the conclusion of ^{our} ~~our~~ course in
the same ^{comfortable circumstances of health} ~~state of health~~ in which
& other things
we have begun it. —











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1807

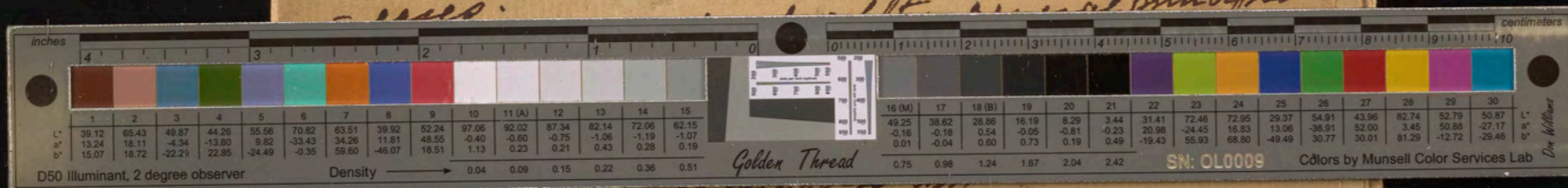
Lyndine
with hook

Gentlemen

The course of lectures you are
now assembled to hear will consist of
what are called the Institutes of Medicine &
the practice of Physic.

In the Institutes of Medicine are in-
cluded Physiology - Pathology & therapeutics.
- Physiology considers the functions of the
body in its healthy state.
- Pathology considers the causes & seats of dis-

ease.



The progress of disease is
unfolded by therapeutics, to particular
diseases - to their symptoms & to the
debility which precedes & follows them.
I shall begin with Physiology. I am
aware that this important branch of

Y 2
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1807

Longings
and wish

Gentlemen

The course of lectures you are now assembled to hear will consist of what are called the Institutes of Medicine & the practice of Physic.

In the Institutes of Medicine are included Physiology - Pathology & therapeutics.

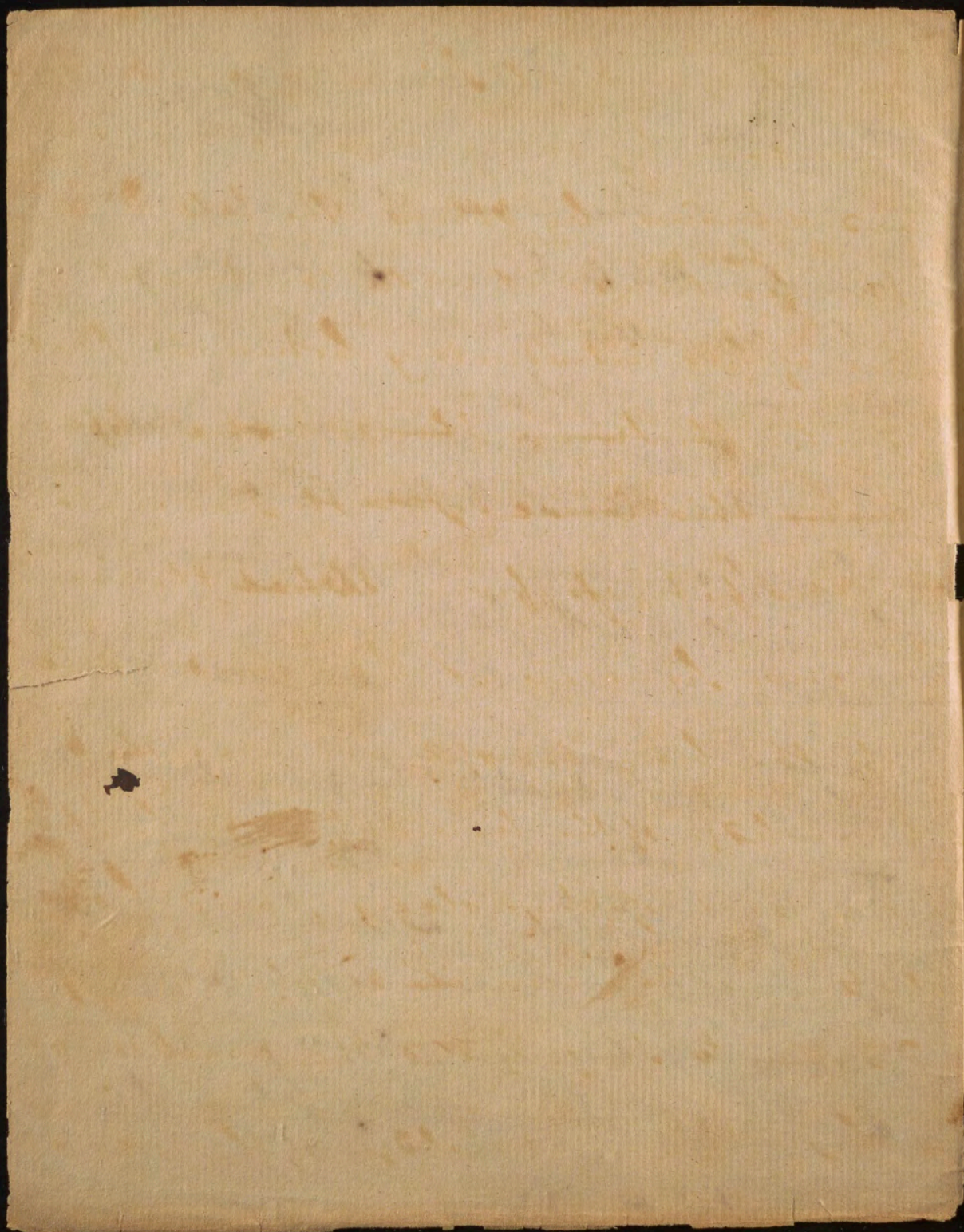
- Physiology considers the functions of the body in its healthy state.

Pathology considers the causes & seats of diseases.

Therapeutics treats of the general principles of or indications of cure in diseases.

The Practice of Physic applies remedies to unfolded by therapeutics, to particular diseases - to their symptoms, & to the debility which precedes & follows them.

I shall begin with Physiology. I am aware that this important branch of



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branch of medical Science is considered as
uncertain by some physicians & as useless
and dubious by others. The late Dr Wm.
Hunter ^{has even} treated it with contempt in
one of his introductory lectures. But
gent: ~~the Science should not suffer~~
~~from this cause.~~ ~~For~~ I maintain
its usefulness from ~~what~~ the in-
-ense services it has rendered to
all the branches of medicine. The our
knowledge of the circulation of the blood,
is a part of physiology, and how
extensive has been ^{the} ~~its~~ application of this
discovery to Surgery and the practice of
physic! our knowledge of the uses of

[Faint, illegible handwriting in cursive script, likely a letter or document fragment.]

[Partial view of the adjacent page, showing faint handwriting.]

the Lymphatics, - of the functions of the
Skin - of the influence of the Air upon
the blood & of the uses of the viscera,
are all parts of physiology - and equally
important with ~~the~~ ^{our} knowledge
of the Circulation of the blood in ^{teaching} leading
us to the Causes & Cure of Diseases.
- It is true we are ignorant of the
uses of ~~the~~ the different portions of the
brain, but this does not vitiate
against the utility of our knowledge
of the parts of the body that have been
named, any more than our ignorance
of the qualities of certain unknown

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

plants, militates against our knowledge
of the efficacy of the poppy, of Jalap,
of Rhubarb or of the peruvian Bark.

It is said in order to depreciate
Physiology, that Dr Haller who spent
his life in Physiological inquiries, was
no physician & that he was remarkably
~~an unsuccessful physician in~~
his practice. What proves too much
proves nothing at all. The late Dr Chouet
of this City was ~~one of the~~^a most minute and
correct Anatomist, and yet he was
known to be deficient in practical
~~as acknowledged by all the physi~~
= ledge in medicine. His recipes and
other prescriptions furnished matter
for ridicule wherever they were

[Faint, mostly illegible handwriting in a cursive script, likely from the 18th or 19th century. The text is written on aged, yellowed paper. Some words are more legible than others, but the overall content is obscured by fading and ink bleed-through.]

[Partial view of the adjacent page on the right, showing the right edge of the paper and some faint, illegible handwriting.]

men, or mentioned, and yet who will
say upon this account that ~~he~~^{in minute}
A correct knowledge of anatomy is ~~not~~
prevents a ~~man~~ physician becoming
eminent in his profession? I might
go on and ~~mention the names of~~^{mention the names of} several
eminent Chemists, & Botanists who
have been bad physicians - and yet
who will dare to say they were made
so by their knowledge of Chemistry or
Botany? - It is possible Dr Haller
was deficient in those qualities of mind
or temper, that constitute an acute &
sagacious physician, but it is more
probable his ~~was~~ want of success in

[Faint, illegible handwriting in cursive script, likely bleed-through from the reverse side of the page.]

[Partial view of the adjacent page on the right, showing fragments of handwritten text.]

his practice was occasioned by his
permitting his physiological studies
^{so far} to abstract his attention from ~~his~~
~~the practice of physic, and~~ his duties
~~to~~ of his patients so as to prevent his
being acquainted with the ^{numerous & minute} details that
are necessary to constitute a great
or successful physician.

What ever may be the ^{issue} ~~fact~~ of my
attempts to teach physiology, I shall
not shrink from the undertaking from
all that has been said of its uncertainty,
or inutilty. Indeed I consider myself
as bound to undertake it not only
by the duty I owe to the science of

V Simple Anatomy, or the nomenclature
of bones, muscles, blood vessels, nerves &
viscera, ~~is nothing but~~ may be
compared to the Alphabet. It is by
means of physiology that that Alphabet
is converted into language. Again Anatomy
may be compared to the ^{only} lines of a ^{Portrait} picture,
~~which~~ perfectly correct in its line and figure,
but it is ^{that} physiology ^{which} gives that
picture its coloring, and its combination.
From this view of the importance and

Medicine, but by the respect I owe
to the ^{importance of the} Anatomical Choir in this
University, for if ~~life~~ ^{the uses and} ~~is not in~~
functions of the parts which will
be demonstrated to you in the Anatomical
theatre be not explained to you as far
as they are capable of being explained,
all the knowledge you will acquire
there, will ~~be~~ ^{profit you but little} ~~as useless to you~~ as phy-
sicians. It will resemble the four
and twenty letters of the Alphabet, lying
^{unconnected} ~~loose~~ ~~loosely~~ ~~together~~ upon a table. It is
by means of physiology only that they
can be ^{converted into language.} ~~connected together into words,~~
~~sentences and books, as is to be seen~~

Utility of physiology I hope ~~gent~~ you
will ~~be~~ ^{apply with} ~~your~~ ^{the} ~~closest~~
~~of attention to this branch of your studies.~~

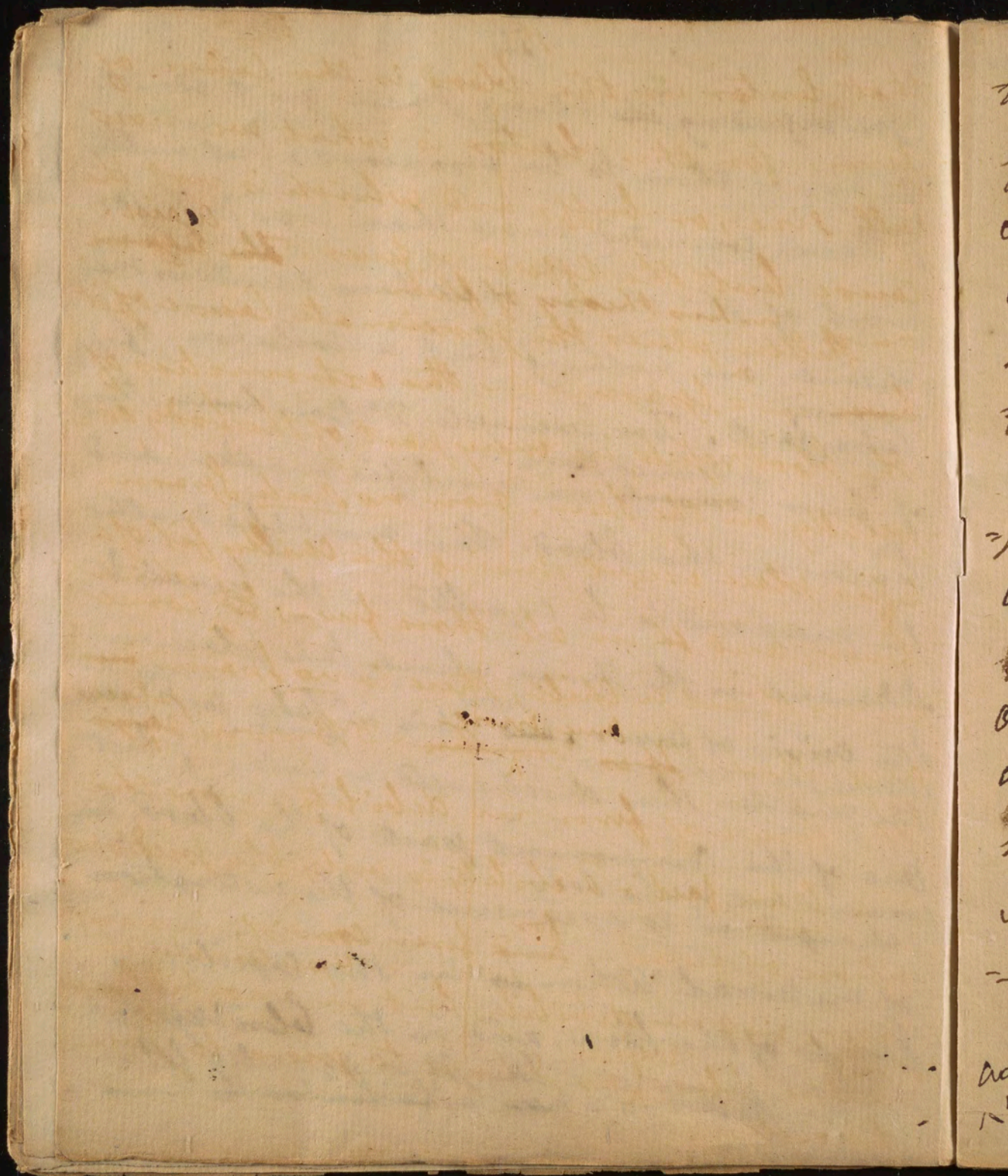
~~I dare not promise you a completed~~
you will see the necessity of connecting it
with
the studies of anatomy. ~~Indee~~ they
should always go hand in hand in
a medical education, ~~Thy~~ ~~to~~ ~~one~~
remark more shall close this subject.
What is ~~you~~ the study of physiology
or the Human system is by far the
most entertaining ^{branch} ~~part~~ of medicine.
~~This~~ ^{Often} has been acknowledged by physi-
cians, and ~~not~~ ~~so~~ ~~far~~ but by the
members of other professions - ^{hence the} ~~hence the~~
~~wise~~ ~~wisdom~~ ~~and~~ ~~goodness~~ ~~innumerable~~ it has
been appealed to by Divines, as contain-
=ing

~~profitable to Students and others.~~

Upon the Subject of Physiology it is common
for ^{young} Gentlemen to ask what books they shall
read. I am sorry to say I cannot recommend
any to you that accord with the principles
of this science which will be delivered from this Chair &
Dr Haller's Elementa Physiologica is an Ex-
cyclopaedia upon this Subject, but it is
too extensive to be read in the course of a
winter. There is an English Abridgement
of it in two Vol: 8^{vo} which may be consulted
with Advantage - Blumenbach's Physiology
is likewise worth your reading. It may be
had at Mr Dobson's translated by J. Fothergill
but also Richardson's the Caller is worth
your reading preferred. a more minute
& for I shall include in it the
History of the faculties & operations of the
human mind that is to be found in any of the
common Systems of Physiology.

Stronger ~~power~~ proofs of the existence
- power & wisdom - & goodness of a
Deity than any other part of
the material creation.

In defending ~~the~~ theory, I have ^{grat.} admitted
 many of them to be erroneous, but in this
 I have conceded more than was just, for
 most of the theories that have existed in me-
 -dicine, are nothing but a collection of
^{supposed} ~~false~~ facts. For example. Dr Boerhaave's theory
 of fever ^{is derived from} ~~consists in~~ morbid matter, and
 lentor in the blood. This morbid matter
 he supposed to be expelled in the sweat &
 sediment in the Urine which take place in
 the crisis of fever. ^{now} This is a ~~false~~ ^{if I may be} fact, ^{for}
^{allowed the exception} the matter thus discharged, is nothing but
 one of the component parts of the blood, ~~dis-~~
^{conveyed out of the body} ~~changed~~ in consequence of the restoration
 of natural action to in the capillary
 vessels of the skin, and in the blood vessels
 of the kidneys. ^{The} ~~It is~~ ^{usually} false
~~now is the lentor the cause~~



that ^ahutor in the blood is the Cause of
 fever, for this hutor is what we now
 call fire, or buff, and which is not the
 cause but the effect of fever. ^{again.} ~~The~~ ^{again.}
 Dr Haller ^{in his theory of fever} places the proximate Cause of it
~~in~~ in a Spasm in the extremities of
 the blood vessels, in every part of the body, es-
 pecially on the skin. now no such Spasm
 takes place except during the Chilly fit of a
 fever, and it in all those fevers, ^{which} ~~it~~ ^{come}
 on without a Chill, there is no Spasm in
 any where. ^{one more} ~~It is~~ ^{places} ~~therefore~~. Dr Brown's ^{range}
 the Cause of fever in debility - now this
 is a false fact - Debility is only the predispo-
 sition of fever - ^{for} ~~and~~ fever consists in most
 cases, not in debility, but in ^{spontaneous} ~~morbid~~ ^{action} ~~in the blood~~ ^{repels} as I hope to prove to you
 hereafter.

[Faint, mirrored handwriting, likely bleed-through from the reverse side of the page. The text is illegible due to fading and orientation.]

[Faint handwriting visible along the right edge of the page, possibly from an adjacent page or margin.]

~~D. Hallen has said, that~~ 16

~~I beg you would remember~~ I might thus
go on & show that a hundred other theories
collections of supposed facts, ~~which have~~
~~have dignified with~~ upon particular dis-
-cases have been called theories, which are
not entitled to that epithet. ^{I have said} a theory is
a general principle deduced from ^{a number of related} facts that
are ^{all} true. Thus I say, the passions are
partly stimulating & partly sedative in
their operation upon the body. This is a theory
upon ~~the~~ If the facts be true, ~~the~~ the theory,
or the general inference from them, will be
true likewise - if otherwise, - the theory
will be false - from this you see there
can be no false theory, without false, or
supposed facts. Let the inducements, ~~the~~ of phy-
-sicians who admit facts without sufficient
examination, or the weakness of physicians

✓ discover the certainty of our Science by
 predicting this fatal termination. Our
 inability to cure all Diseases is a proof
^{only} ~~the~~ imperfection of medicine, but even
 this ~~imperfection~~ ^{much} ~~is~~ ^{less} that it
 is supposed to be as far as it depends
 upon a physician. For few patients
 die of curable diseases, in which their
 deaths may not be traced to late delays
 in ^{the} application for medical aid - bad exer-
 -cising, or disobedience to medical prescrip-
 -tions.

In admitting the imperfection of medicine,
 we place it upon a footing with all other sciences.
 The even the Science of navigation is still imper-
 -fect, and yet we do not upon that Account
 reject the advantages that are we derive from
 the magnet, the Quadrant & lunar observa-
 -tions. ~~of the ships that are lost at sea~~

who fabricate facts, alone be blamed for all
our false theories, ~~and~~ and if ~~on~~ those
false theories have done mischief in medi-
-cine, ~~but~~ those physicians only be blamed
who have furnished the false foundations
for them. It is to be ^{regretted} ~~lamented~~ that the ^{the}

~~The~~ ~~the~~ false errors & fluctuation of ~~the~~
theories, erected upon ~~an~~ ^{improved} facts, have
led to charges against the Certainty &
even usefulness of the Science of medicine.
Of its usefulness, I shall say nothing at
present. Of its ^{the} ~~uncertainty~~ ^{former charge of it,} ~~certainty~~, I shall only remark
that the its imperfection has been mistaken
for its Certain Uncertainty. The ^{instances} ~~cases~~ in ^{which}
physicians mistake a disease, or form a
wrong judgement of its issue in life, or
death, are very few. ~~that~~ In those cases
which they are unable to cure, they still

19
— of the ~~perhaps~~ ~~very~~ few ships that are lost, only
meet with accidents at sea, from the uncer-
— certainty of the Science of Navigation. Most
of them are, like the lapses of patients in
curable diseases, the result of ignorance, or
carelessness. They ^{prove the imperfection} ~~call in question the per-~~
— ~~fection~~ only — not the Uncertainty of the
Science of Navigation. —

~~But Physiology~~ - Pathology
"Upon the subjects of ~~physiology~~
and Therapeutics, I know of no
Systematic books that I can recom-
mend to you personally. They are
all built upon theories which I
~~are~~ which I do believe, and
^{ch} which are contrary to the principles
upon those subjects which I shall
teach from this Chair. ?

Upon the practice of physic
there are many excellent practical
books which I shall mention to
you when I come to that part

of our course. It is one, and but
one of the modes of acquiring a
knowledge of diseases. There are two
other modes of acquiring that
knowledge. These are from ~~books~~
public lectures, and = go to p: =

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